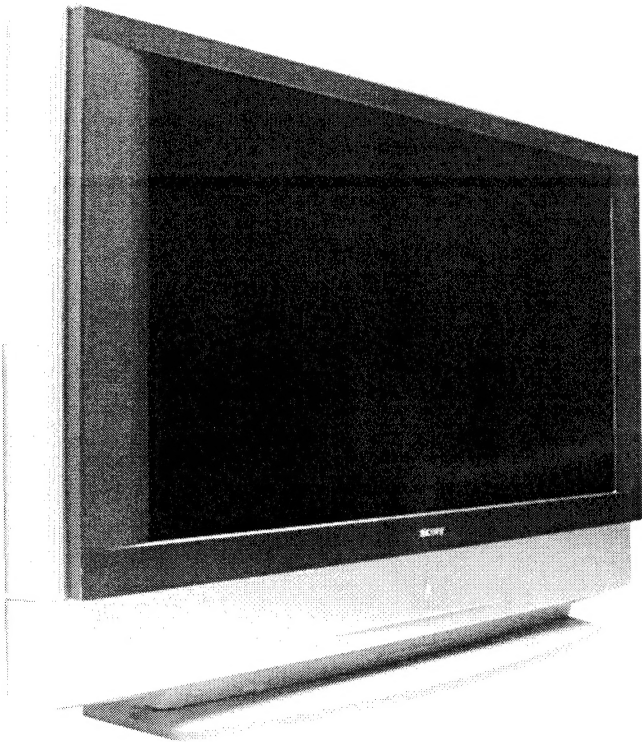




SERVICE MANUAL

LE-4A CHASSIS

| MODEL | COMMANDER | DEST | CHASSIS NO. | MODEL | COMMANDER | DEST | CHASSIS NO. |
|-------------|-----------|------|-------------|-------------|-----------|------|-------------|
| KF-50SX300 | RM-906 | AEP | SCC-R01A-A | KF-60SX300 | RM-906 | AEP | SCC-R01B-A |
| KF-50SX300K | RM-906 | OIRT | SCC-R03A-A | KF-60SX300K | RM-906 | OIRT | SCC-R03B-A |
| KF-50SX300U | RM-906 | UK | SCC-R02B-A | KF-60SX300U | RM-906 | UK | SCC-R02A-A |



KF-50/60SX300



RM-906

LCD PROJECTION TV
SONY®

| TABLE OF CONTENTS | | | | | |
|----------------------------|--|------|--------------------------|--|------|
| Section | Title | Page | Section | Title | Page |
| | Caution | 3 | 5. DIAGRAMS | | |
| | Specifications | 4 | 5-1. | Block Diagram (1) | 31 |
| | Connectors | 5 | | Block Diagram (2) | 32 |
| | | | | Block Diagram (3) | 33 |
| | | | | Block Diagram (4) | 34 |
| 1. SELF DIAGNOSIS FUNCTION | | | 5-2. | Circuit Boards Location | 34 |
| | LE-4A Self Diagnostic Software | 6 | 5-3. | Schematic Diagrams and Printed Wiring Boards | 34 |
| 2. GENERAL | | 7 | | A Board Schematic Diagram | 35 |
| | | | | A Printed Wiring Board | 38 |
| 3. DISASSEMBLY | | | | B Board Schematic Diagram | 39 |
| 3-1. | Rear Cover Removal | 21 | | B Printed Wiring Board | 42 |
| 3-2. | Centre Pillar Removal | 21 | | C Board Schematic Diagram | 43 |
| 3-3. | Service Position | 21 | | C Printed Wiring Board | 47 |
| 3-4. | Chassis, Optical Unit, DC Fan Removal | 21 | | J Board Schematic Diagram | 49 |
| 3-5. | Power Block Removal | 22 | | J Printed Wiring Board | 50 |
| 3-6. | H1 Board Removal | 22 | | G Board Schematic Diagram | 51 |
| 3-7. | H2 Board Removal | 22 | | G Printed Wiring Board | 52 |
| 3-8. | H3 Board Removal | 22 | | H1 Schematic Diagram | 53 |
| 3-9. | A Board Removal | 23 | | H1 Printed Wiring Board | 52 |
| 3-10. | G Board Removal | 23 | | H2 Board Schematic Diagram | 53 |
| 3-11. | T Board Removal | 23 | | H2 Printed Wiring Board | 52 |
| 3-12. | Front Panel Removal | 23 | | H3 Board Schematic Diagram | 53 |
| 3-13. | Front Cover Removal | 24 | | H3 Printed Wiring Board | 52 |
| 3-14. | Control Panel Removal | 24 | | T Board Schematic Diagram | 53 |
| 3-15. | Screen, Mirror Block Assembly Removal | 24 | | T Printed Wiring Board | 52 |
| 3-16. | Mirror Cover Block Assembly Removal | 25 | 5-4. | Semiconductors | 54 |
| 3-17. | Contrast Screen, Diffusion Plate Removal | 25 | 5-5. | IC Block Diagrams | 56 |
| 3-18. | Woofers Block Assembly Removal | 26 | | | |
| 3-19. | Speaker Removal | 26 | 6. EXPLODED VIEWS | | |
| 3-20. | Mirror Removal | 26 | 6-1. | Screen and Cover Block | 58 |
| | | | 6-2. | Cabinet Block | 59 |
| 4. ELECTRICAL ADJUSTMENTS | | | 6-3. | Main Bracket Block | 60 |
| 4-1. | Adjustments with Commander | 27 | 6-4. | Picture Tube Block | 61 |
| 4-1-1. | How to Select Each Mode | 27 | | | |
| 4-1-2. | Programming the Remote Commander for Operation in Service Mode | 27 | 7. ELECTRICAL PARTS LIST | | 62 |
| 4-1-3. | Setting the TV into Service Mode | 27 | | | |
| 4-1-4. | Screen Display for Service Menu | 27 | | | |
| 4-1-5. | Operation Method for Adjustments | 29 | | | |
| 4-2. | Screen Centre Adjustment | 29 | | | |
| 4-3. | Test Test Mode | 29 | | | |

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

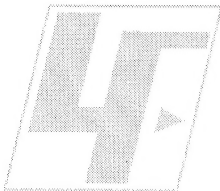
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

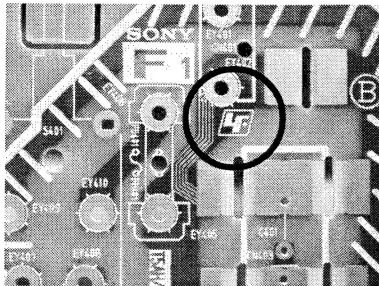
CAUTION

Lead Free Soldered Boards

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2

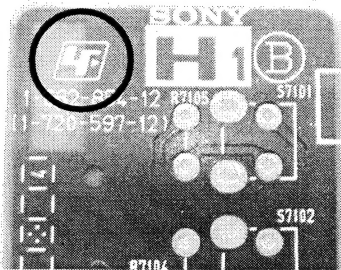


Table 1

| Board | Function |
|-------|---|
| A | Tuner, Audio, Regulators |
| B | Micro, 3D Comb |
| C | Scanrate, Backend, Digital Gamma, LCD Drivers |
| G | Power Supply |
| H1 | User Key, Sircs |
| H2 | LED Indicators |
| H3 | AV Input, HP Out |
| J | A/V Switch |
| T | Lamp Cover Switch |

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

| Partnumber | Diameter | Remarks |
|--------------|----------|---------|
| 7-640-005-19 | 0.3mm | 0.25Kg |
| 7-640-005-20 | 0.4mm | 0.50Kg |
| 7-640-005-21 | 0.5mm | 0.50Kg |
| 7-640-005-22 | 0.6mm | 0.25Kg |
| 7-640-005-23 | 0.8mm | 1.00Kg |
| 7-640-005-24 | 1.0mm | 1.00Kg |
| 7-640-005-25 | 1.2mm | 1.00Kg |
| 7-640-005-26 | 1.6mm | 1.00Kg |

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.


For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

| ITEM MODEL | Television System | Stereo System | Channel Coverage | Color System |
|------------|-------------------|---------------------|---|---|
| AEP | B/G/H, D/K, I, L | GERMAN/NICAM Stereo | VHF : E02-12 UHF : E21-69 CABLE TV : S1-S20 HYPER : S21-S41 D/K: R1-12, R21-69 L: F02-10 , B-Q , F21-F69 I: B21-69 | PAL, SECAM NTSC3.58, NTSC4.43 (VIDEO IN) |
| OIRT | B/G/H, D/K | GERMAN/NICAM Stereo | VHF : E02-12 UHF : E21-69 CABLE TV : S1-S20 HYPER : S21-S41 D/K: R1-12, R21-69 | PAL, SECAM NTSC3.58, NTSC4.43 (VIDEO IN) |
| UK | I | NICAM Stereo | UHF : B21-B69 | PAL, SECAM NTSC3.58, NTSC4.43 (VIDEO IN) |

| | | | |
|---|--|--|---|
| Projected Picture Size | Approx 127 cm (50 inches) (Approx 127 cm picture measured diagonally) KF-50SX300 Approx 153 cm (60 inches) (Approx 153 cm picture measured diagonally) KF-60SX300 | Sound Output | |
| | | Right and Left speaker | 2x20W (Music Power) 2x10W (RMS) |
| | | Subwoofer | 1x30W (Music Power) 1x15W (RMS) |
| Input/Output Terminals [REAR] | | General Specifications | |
| 1: 21-pin Euro connector (CENELEC standard) | Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals. | Power Requirements | 220 - 240V |
| | | Power Consumption/ Standby | Approx 210W/<1W (KF-50SX300) Approx 210W/<1W (KF-60SX300) |
| 2: 21-pin Euro connector (CENELEC standard) | Inputs for Audio and Video signals. Inputs for RGB. Outputs of Monitor Video and Audio signals. | Dimensions | Approx 1376 x 923 x 442MM (KF-50SX300) Approx 1618 x 1062 x 542mm (KF-60SX300) |
| 3: 21-pin Euro connector (CENELEC standard) | Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (selectable). Smartlink interface. | Weight | Approx 37.5kg (KF-50SX300) Approx 48.5kg (KF-60SX300) |
| Phono Jacks | Output Connectors variable for Audio Signals. | Supplied Accessories | RM-906 Remote Commander (1) IEC designated R6 battery (2) |
| Minijack | Input for PC Audio. | Other Features | Digital Comb Filter, Teletext, NextView, PAP, Smartlink, Virtual Dolby, Digital BBE, NICAM, ACI, TV system autodetection. |
| D type connector | PC input. | | |
| Input/Output Terminals [FRONT] | | Remote control system : Infrared control | |
| Headphone jack | stereo mini jack | Power requirements | 3V dc 2 batteries IEC designation LR03 (size AAA) |
| Audio inputs | phono jacks | | |
| Video inputs | phono jacks | | |
| S Video input | 4 pin DIN | | |
| Design and specifications are subject to change without notice. | | | |

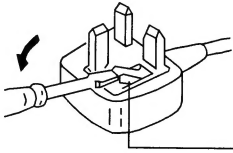
| Model Name Item | KF-50/60SX300AEP | KF-50/60SX300K | KF-50/60SX300U |
|-----------------|------------------|----------------|----------------|
| Pal Comb | ON | ON | ON |
| PAP | ON | ON | ON |
| RGB Priority | ON | ON | ON |
| Woofer Box | ON | ON | ON |
| Scart 1 | ON | ON | ON |
| Scart 2 | ON | ON | ON |
| Scart 3 | ON | ON | ON |
| Front in (4) | ON | ON | ON |
| Projector | ON | ON | ON |
| Norm B/G | ON | ON | OFF |
| Norm I | ON | OFF | ON |
| Norm D/K | ON | ON | OFF |
| Norm AUS | OFF | OFF | OFF |
| Norm L | ON | OFF | OFF |
| Norm SAT | OFF | OFF | OFF |
| Norm M | OFF | OFF | OFF |
| Teletext | ON | ON | ON |
| Nicam | ON | ON | ON |

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S.1363** fused plug having a fuse of **5 AMP** rating. Should the fuse need to be replaced, use a **5AMP FUSE** approved by ASTA to **Bs 1362**, ie one that carries the  mark.

IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

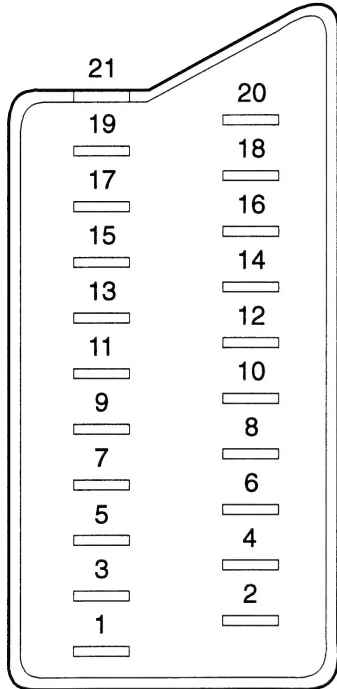
When an alternative type of plug is used, it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE

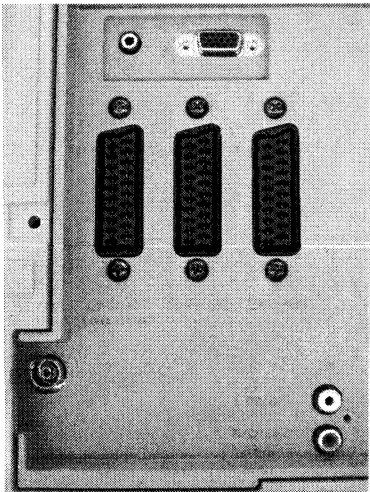
21 pin connector



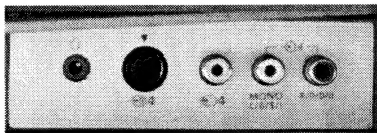
| Pin No | 1 | 2 | 3 | Signal | Signal level |
|--------|---|---|---|------------------------------|---|
| 1 | ○ | ○ | ○ | Audio output B (right) | Standard level : 0.5V rms Output impedance : Less than 1kohm* |
| 2 | ○ | ○ | ○ | Audio input B (right) | Standard level : 0.5V rms Output impedance : More than 10kohm* |
| 3 | ○ | ○ | ○ | Audio output A (left) | Standard level : 0.5V rms Output impedance : Less than 1kohm* |
| 4 | ○ | ○ | ○ | Ground (audio) | |
| 5 | ○ | ○ | ○ | Ground (blue) | |
| 6 | ○ | ○ | ○ | Audio input A (left) | Standard level : 0.5V rms Output impedance : More than 10kohm* |
| 7 | ○ | ● | ● | Blue input | 0.7 +/- 3dB, 75 ohms positive |
| 8 | ○ | ○ | ○ | Function select (AV control) | High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF |
| 9 | ○ | ○ | ○ | Ground (green) | |
| 10 | ○ | ○ | ○ | Open | |
| 11 | ○ | ● | ● | Green | Green signal : 0.7 +/- 3dB, 75 ohms, positive |
| 12 | ○ | ○ | ○ | Open | |
| 13 | ○ | ○ | ○ | Ground (red) | |
| 14 | ○ | ○ | ○ | Ground (blanking) | |
| 15 | ○ | - | - | Red input | 0.7 +/- 3dB, 75 ohms, positive |
| 16 | ○ | ○ | ○ | (S signal Chroma input) | 0.3 +/- 3dB, 75 ohms, positive |
| 17 | ○ | ○ | ○ | Blanking input (Ys signal) | High state (1-3V) Low state (0-0.4V) Input impedance : 75 ohms |
| 18 | ○ | ○ | ○ | Ground (video output) | |
| 19 | ○ | ○ | ○ | Ground (video input) | |
| 20 | ○ | ○ | ○ | Video output | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB) |
| 21 | ○ | ○ | ○ | Video input | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB) |
| | ○ | ○ | ○ | Video input Y (S signal) | 1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB) |
| | ○ | ○ | ○ | Common ground (plug, shield) | |

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel



S-Video socket

| S Video socket pin configuration | | |
|----------------------------------|--------------------|--|
| Pin No | Signal | Signal Level |
| 1 | Ground | - |
| 2 | Ground | - |
| 3 | Y (S signal) input | 1V +/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB |
| 4 | C (S signal) input | 0.3V +/- 3dB 75ohm, positive Sync. |

SECTION 1 SELF DIAGNOSIS FUNCTION

LE-4A Self Diagnostic Software

The identification of errors within the LE-4A chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method. Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

| Error Message | LED Code |
|---------------|----------|
| Lamp Cov | 02 |
| Lamp Prot | 03 |
| Fan Prot | 04 |
| Temp Prot | 05 |
| IIC | 06 |
| NVM | 07 |
| Tuner | 09 |
| Sound | 10 |
| Scanrate | 12 |
| Backend | 14 |
| AVSwitch | 17 |
| Digital Gamma | 22 |
| LCD Drivers | 23 |
| Speaker Prot | 24 |

How to enter into Table 2

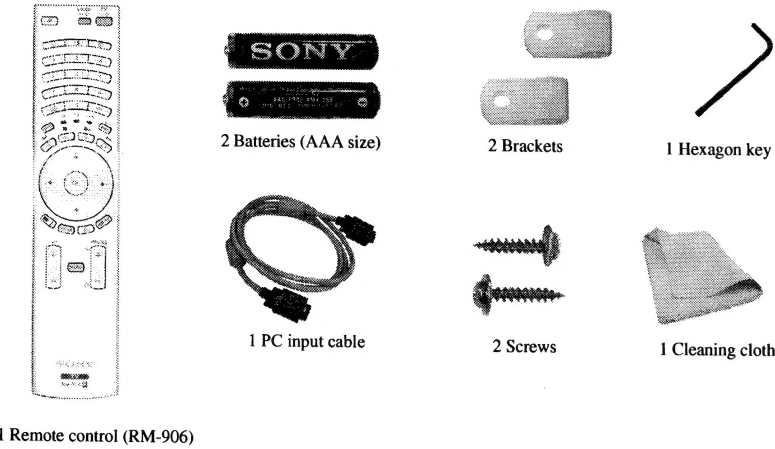
- Turn on the main power switch of the TV set.
- Program Remote Commander for Operation in Service Mode. [See Page 27].
- Press 'VIDEO' 'VIDEO' > 'MENU' on the Remote Commander.
- Using the Remote Commander, Scroll to the 'Error Menu' item using the down arrow key, then press the right arrow key.
- The following table will be displayed indicating the error count.

Table 2

| Error monitor | | |
|------------------------------|-----------------|-------|
| WORKING TIME: | (Hours:Minutes) | 82:33 |
| Error counters: | | |
| E02: LAMP COV | | 45 |
| E03: LAMP PROT | | 8 |
| E04: FAN PROT | | 55 |
| E05: TEMP PROT | | 0 |
| E06: IIC | | 0 |
| E07: NVM | | 0 |
| E09: TUNER | | 2 |
| E10: SOUND | | 0 |
| E12: SCANRATE | | 4 |
| E14: BACKEND | | 2 |
| E17: AVSWITCH | | 10 |
| E22: DIGITAL GAMMA | | 3 |
| E23: LCD Drivers | | 6 |
| E24: SPEAKER PROT | | 0 |
| Select: ▲ ▼ Previous Menu: ◀ | | |

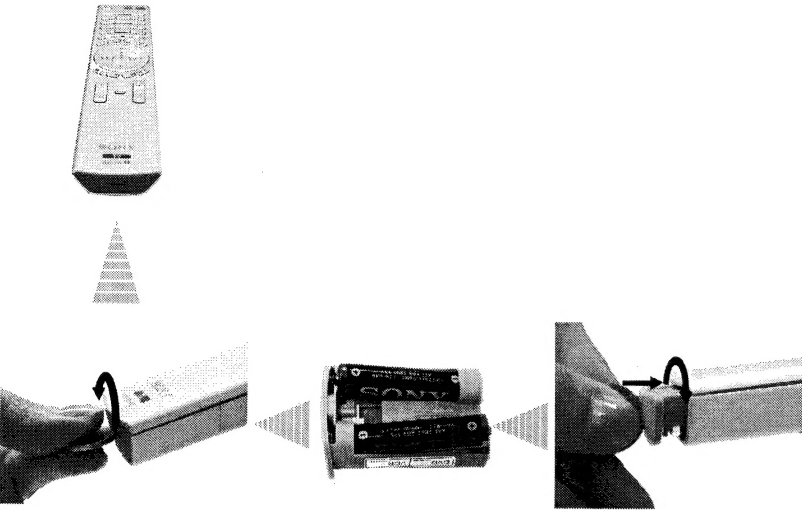
Note: To clear the error count data press '80' on the Remoe commander.

Checking the Accessories supplied

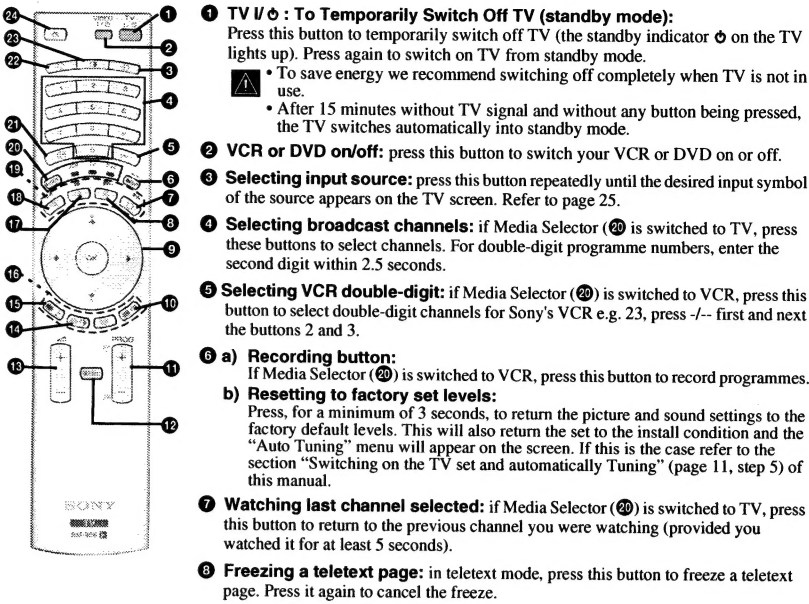


Inserting Batteries into the Remote Control

- Make sure you insert the supplied batteries using the correct polarities. Always remember to dispose of used batteries in an environmental friendly way.

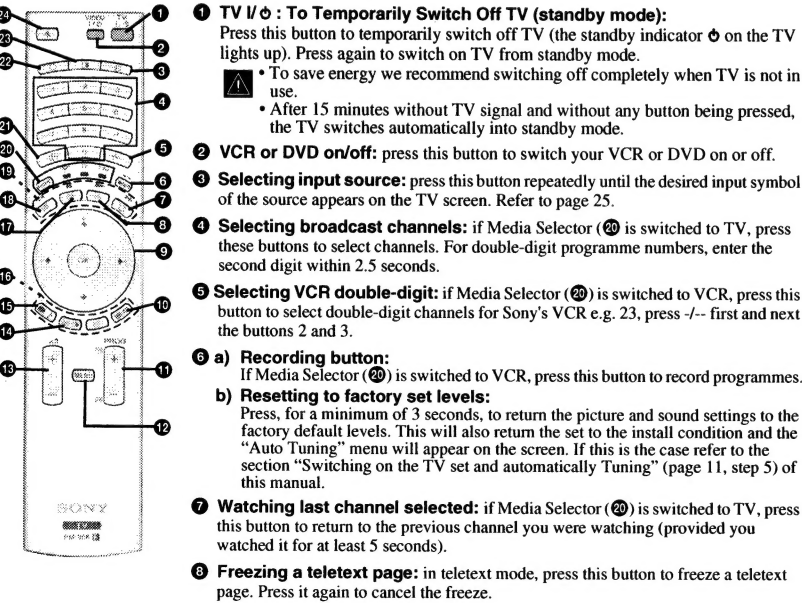


Overview of Remote Control Buttons



- 9 a) Displaying a channel index: if Media Selector (20) is switched to TV and MENU is switched off, press OK to display a channel overview. If you want to select a channel, press or next press again the OK button to watch the selected channel.
- b) Navigator: if Media Selector (20) is switched to TV and MENU (12) is switched on, use these buttons to navigate through the menu system of the TV. Refer to page 12.
- 10 Selecting the screen format: press this button repeatedly to change the format of the screen. Refer to page 16.
- 11 Selecting broadcast channels: press these buttons to select the next or previous broadcast channel.
- 12 Menu system: press this button to enter the TV menu system. Refer to page 12.
- 13 Adjusting volume: press these buttons to increase or decrease the audio volume.
- 14 Selecting picture mode: press this button repeatedly to change the picture mode. For details on the different picture modes. Refer to page 13.
- 15 Selecting the sound effect: Press this button repeatedly to change the sound effect. For details on different sound effects. Refer to page 14.
- 16 Fastext: In Teletext mode, these buttons can be used as Fastext buttons. For details see page 22.
- 17 NexTVView: press this button to display NexTVView. For details. Refer to page 23.
- 18 Teletext: press this button to switch on Teletext. For details see page 22.
- 19 Operating VCR or DVD: if Media Selector (20) is switched to VCR or DVD, these buttons will operate the main functions of your VCR or DVD, once the remote control has been programmed. Refer to page 26.
- 20 Media Selector: press this button to select which device you want to operate, TV, VCR or DVD. A green light will be momentarily lit to show which one you have selected. For details refer to page 26.
- 21 Displaying Info: press this button to display all on-screen indication such as channel number, etc. Press again to cancel.
- 22 Selecting TV mode: press this button to switch off PAP, Teletext or Video input mode.
- 23 PAP (Picture And Picture): press this button to divide the screen into two for watching two channels simultaneously. Refer to page 21.
- 24 Muting the sound: press this button to mute the TV sound. Press again to restore the sound.

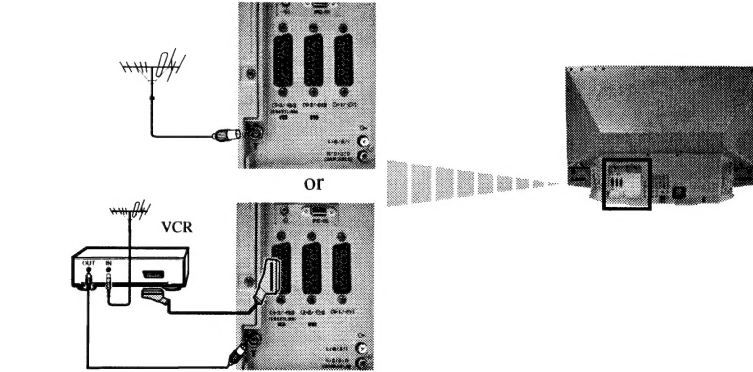
Overview of Remote Control Buttons



- 9 a) Displaying a channel index: if Media Selector (20) is switched to TV and MENU is switched off, press OK to display a channel overview. If you want to select a channel, press or next press again the OK button to watch the selected channel.
- b) Navigator: if Media Selector (20) is switched to TV and MENU (12) is switched on, use these buttons to navigate through the menu system of the TV. Refer to page 12.
- 10 Selecting the screen format: press this button repeatedly to change the format of the screen. Refer to page 16.
- 11 Selecting broadcast channels: press these buttons to select the next or previous broadcast channel.
- 12 Menu system: press this button to enter the TV menu system. Refer to page 12.
- 13 Adjusting volume: press these buttons to increase or decrease the audio volume.
- 14 Selecting picture mode: press this button repeatedly to change the picture mode. For details on the different picture modes. Refer to page 13.
- 15 Selecting the sound effect: Press this button repeatedly to change the sound effect. For details on different sound effects. Refer to page 14.
- 16 Fastext: In Teletext mode, these buttons can be used as Fastext buttons. For details see page 22.
- 17 NexTVView: press this button to display NexTVView. For details. Refer to page 23.
- 18 Teletext: press this button to switch on Teletext. For details see page 22.
- 19 Operating VCR or DVD: if Media Selector (20) is switched to VCR or DVD, these buttons will operate the main functions of your VCR or DVD, once the remote control has been programmed. Refer to page 26.
- 20 Media Selector: press this button to select which device you want to operate, TV, VCR or DVD. A green light will be momentarily lit to show which one you have selected. For details refer to page 26.
- 21 Displaying Info: press this button to display all on-screen indication such as channel number, etc. Press again to cancel.
- 22 Selecting TV mode: press this button to switch off PAP, Teletext or Video input mode.
- 23 PAP (Picture And Picture): press this button to divide the screen into two for watching two channels simultaneously. Refer to page 21.
- 24 Muting the sound: press this button to mute the TV sound. Press again to restore the sound.

Connecting the Aerial and VCR

- Connecting cables are not supplied. For more details of VCR connections as well as other connections, please refer to page 24.

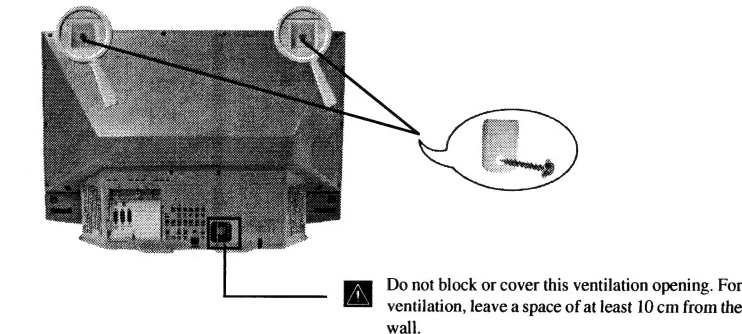


- The Scart lead is optional. If you use this optional connection it can improve picture and sound quality when using a VCR.
- If you do not use a Scart lead, you will need to manually tune the VCR to a spare channel once the autotune procedure has been completed. Refer to "Manual Programme Preset" on page 20. Also refer to your VCR instruction manual to find out how to find the output channel of your VCR.

Stabilizing the TV set

- After setting up, secure the TV set to a wall, etc., using the supplied brackets and screws, for safety purposes.

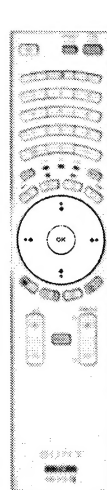
- Mount the two supplied brackets with the screws provided to the upper rear side of the TV set.



- Pass a strong cord or a chain through each bracket, and then secure to a wall or a pillar, etc.

Switching On the TV and Automatically Tuning

i The first time you switch on your TV, a sequence of menu screens appear on the TV enabling you to: 1) choose the language of the menu screen 2) Choose the country in which you are going to operate the TV, 3) check how to connect optional equipment to your TV, 4) search and store all available channels (TV Broadcast) and 5) change the order in which the channels (TV Broadcast) appear on the screen. However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the **☰** (Set Up menu).



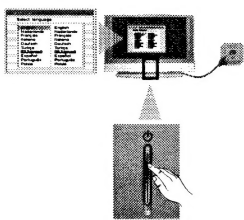


1 Connect the TV plug to the mains socket (220-240V AC, 50Hz) The first time that the TV set is connected, it is usually turned on. If the TV is off, press the **⏻** on/off button on the TV set to turn on the TV.
The first time you switch on the TV, a **Language** menu displays automatically on the TV screen.

2 Press the **⬆**, **⬇**, **⬅** or **➡** buttons on the remote control to select your language, then press the **OK** button to confirm your selection. From now on all the menus will appear in your chosen language.

3 The **Country** menu appears automatically. Press the **⬇** or **⬆** button to select the country in which you are using the TV. Press the **OK** button to confirm your selection.

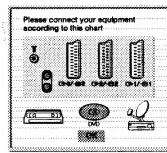
i If the country in which you want to use the TV set does not appear in the list, select "off" instead of a country.
To avoid wrong teletext characters for cyrillic languages we recommend selecting Russia country if your own country does not appear in the list.



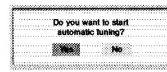
continued...

4 A diagram will appear showing you how to connect a wide range of equipment to your TV set. Follow the instructions and finally press the **OK** button to remove the picture and continue the automatic process.

i After the automatic tuning process has finished and the optional equipment has been connected at this stage, we recommend you follow the instructions explained on the section "Connection Guide" on page 17 to get the optimum settings related with the optional equipment.



5 The **Auto Tuning** menu appears on the screen. Press the **OK** button to select Yes.

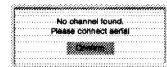
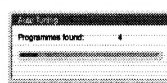


6 The TV starts to automatically search and store all available broadcast channels for you.

i This procedure could take some minutes. Please be patient and do not press any buttons, otherwise automatic tuning will not be completed.

i In some countries the TV Broadcaster installs the channels automatically (ACI system). In this case, the TV Broadcaster sends a menu in which you can select your city by pressing the **⬇** or **⬆** button and **OK** to store the channels.

i If no channels were found during the auto tune process, a message appears automatically on the screen asking you to connect the aerial. Check the aerial connection (refer to page 9). Press the **OK** button to restart the auto tuning process.

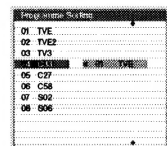
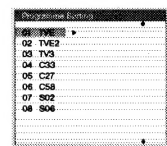


7 After all available channels are captured and stored, the **Programme Sorting** menu automatically appears on the screen enabling you to change the order in which the channels are stored.

a) If you wish to keep the broadcast channels in the tuned order, go to step 8.

b) If you wish to store the channels in a different order:

- Press the **⬇** or **⬆** button to select the programme number with the channel (TV Broadcast) you wish to move. Press the **➡** button.
- Press the **⬇** or **⬆** button to select the new programme number position for your selected channel (TV Broadcast). Press the **OK** button to store.
- Repeat steps b)1 and b)2 if you wish to change the order of the other channels.

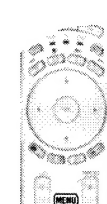


8 Press the **MENU** button to remove the menu from the screen

👍 Your LCD TV is now ready for use

Introducing and Using the Menu System

i Your LCD TV uses an On-Screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:



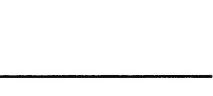

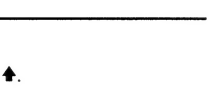




1 To switch on the menu screens:
Press the **MENU** button to switch the first level menu on.


2 To navigate through the menus:

- To highlight and select the desired menu or option, press **⬇** or **⬆**.
- To enter the selected menu or option, press **OK** or **➡**.
- To return to the last menu or option, press **OK** or **⬅**.
- To alter the settings of your selected option, press **⬇**/**⬆**/**⬅** or **➡**.
- To confirm and store your selection, press **OK**.

3 To switch off the menu screens:
Press the **MENU** button to remove the menu from the screen.

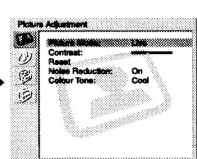
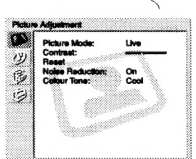


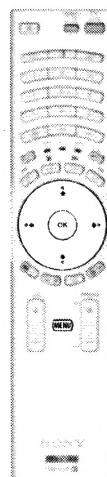
The Picture Adjustment Menu



i The "Picture Adjustment" menu allows you to alter the picture settings.

To do this:
Press the **MENU** button and then press **OK** to enter this menu. Next press **⬇** or **⬆** to select the desired option and press **OK**. Finally read below how to operate into each option.





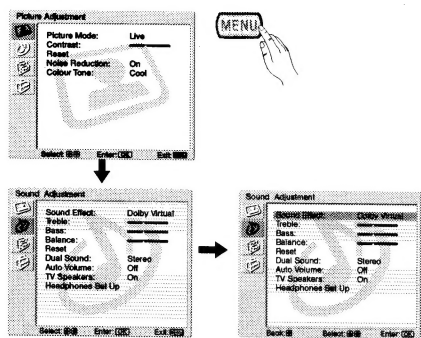
| | |
|--|--|
| Picture Mode | This option allows you to customise the Picture Mode based on the programme you are watching. After selecting this option press OK . Next press repeatedly ⬇ or ⬆ to select: Personal (for individual settings). Live (for live broadcast programmes, DVD and Digital Set Top Box receivers). Movie (for films). Once you have selected your desired option, press OK to store. |
| "Brightness", "Colour" and "Sharpness" level of "Live" and "Movie" mode | are fixed on the factory to get the best picture quality. |
| Contrast | Press ⬅ or ➡ to reduce or enhance picture contrast. Next press OK to store. |
| Brightness | Press ⬅ or ➡ to darken or brighten the picture. Next press OK to store. |
| Colour | Press ⬅ or ➡ to decrease or to increase color intensity. Next press OK to store. |
| Hue | Press ⬅ or ➡ to decrease or to increase the green tones. Next press OK to store. |
| Sharpness | Press ⬅ or ➡ to soften or to sharpen the picture. Next press OK to store. |
| Reset | Press OK to reset the picture to the factory preset levels. |
| Noise Reduction | This option is set to On to automatically reduce the snowy picture visible in the broadcast signal. To cancel this function, press ⬇ or ⬆ to select Off . |
| Colour Tone | This option allows you to alter the tint of the picture. After selecting this option press ⬆ . Next press repeatedly ⬇ or ⬆ to select: Warm (gives the white colours a red tint), Normal (gives the white colours a neutral tint), Cold (gives the white colours a blue tint). Next press OK to store. |
| Lines Correction | While viewing an RGB input signal from the PC ⏻ connector, some picture lines may be not correctly displayed. To correct this problem, select this option and press ➡ . Next press repeatedly ⬇ or ⬆ to correct it between -20 and +20. Finally press OK to store. |

i "Brightness" "Colour" and "Sharpness" only appears and only can be altered if "Picture mode" is set to "Personal".

"Hue" only appears and only can be altered for NTSC signal (e.g. USA video tapes).

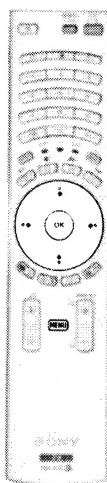
For an RGB input signal connected to the PC **⏻** connector, only appear and only can be altered: "Contrast", "Brightness" and "Lines Correction".

The Sound Adjustment Menu



i The "Sound Adjustment" menu allows you to alter the sound settings.

To do this:
Press the MENU button and press \downarrow to select D , then press **OK** to enter this menu. Next press \downarrow or \uparrow to select the desired option and press **OK**. Finally read below how to operate into each option.



Sound Effect

This option allows you to customise the Sound Effect. After selecting this option press **OK**. Next press repeatedly \downarrow or \uparrow to select:

- Off** (Flat response).
- Natural** (Enhances clarity, detail and presence of sound by using "BBE High Definition Sound system"*).
- Dynamic** ("BBE High Definition Sound system"*) intensifies clarity and presence of sound for better intelligibility and musical realism).
- Dolby**** (Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Logic").

Once you have selected your desired option, press **OK** to store.

Treble

Press \leftarrow or \rightarrow to decrease higher-frequency sounds. Next press **OK** to store.

Bass

Press \leftarrow or \rightarrow to decrease or to increase the lower-frequency sounds. Next press **OK** to store.

Balance

Press \leftarrow or \rightarrow to emphasise the left or the right speaker. Next press **OK** to store.

Reset

Press **OK** to reset the sound to the factory preset levels. Next press **OK** to store.

Dual Sound

- For a Stereo broadcast: Press \downarrow or \uparrow to select **Stereo** or **Mono**. Next press **OK** to store.
- For a bilingual broadcast: Press \downarrow or \uparrow to select **Mono** (for mono channel if available), **A** (for channel 1) or **B** (for channel 2). Next press **OK** to store.

Auto Volume Press \downarrow or \uparrow to select **On** (the volume level of the channels will stay the same, independent of the broadcast signal, e.g. in the case of advertisements) or **Off** (the volume level changes according to the broadcast signal). Next press **OK** to store.

i If you select "Dolby Virtual" on the "Sound Effect" option, the "Auto Volume" option will automatically be switched to "Off" and vice versa.

TV Speakers

This option allows you to select if you want to listen the TV from the TV speakers or from an external amplifier connected to the audio outputs on the rear of the TV.

After selecting this option, press **OK**. Next press repeatedly \downarrow or \uparrow to select:

- On** (to listen the TV from the TV set speakers).
- One time off** (to listen to the TV from the external amplifier only one time. By using this option, any time the TV is turned off/on, it returns to the default setting "On").
- Permanent off** (to always listen to the TV from external amplifier).

Once you have selected your desired option, press **OK** to store.

i If you have selected "One time off" or "Permanent off", the volume of the external equipment can also be altered by pressing the \pm buttons of the remote control. When the volume buttons are pressed, the symbol V will appear indicating that the volume you are altering is not the volume of the TV set speakers, it is from the external equipment.

Headphones Set Up

This option allows you to customise the headphones volume and the PAP settings (refer to page 21 for details on PAP).

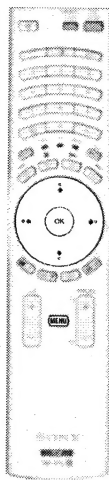
After selecting this option press **OK**. Next press repeatedly \downarrow or \uparrow to select:

- volume** Press \leftarrow or \rightarrow to decrease or increase the volume level from the headphones.
- Dual Sound**
 - For a Stereo broadcast: Press \downarrow or \uparrow to select **Stereo** or **Mono**
 - For a bilingual broadcast: Press \downarrow or \uparrow to select **Mono** (for mono channel if available), **A** (for channel 1) or **B** (for channel 2).
- PAP Sound** Select **Frame** if you want to listen to the active screen (framed) of the PAP screen (see page 21), select **Left picture** if you want to listen to the left screen or select **Right picture** if you want to listen to the right screen.

i The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and BBE Symbol are trademarks of BBE Sound, Inc.

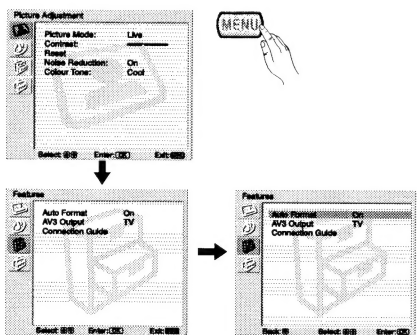
**This TV has been designed to create surround sound effect by simulating the sound of four speakers with two speakers, when the broadcast audio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to page 25).

** Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol DD are trademarks of Dolby Laboratories.



continued...

The Features Menu



i The "Features" menu allows you to alter various settings of the TV.

To do this:
Press the MENU button and press \downarrow twice to select F , then press **OK** to enter this menu. Next press \downarrow or \uparrow to select the desired option and press **OK**. Finally read below how to operate into each option.

AUTO FORMAT

This option allows you to automatically change the aspect ratio of the screen.

To do this:

After selecting the option, press **OK**. Then press \downarrow or \uparrow to select **On** (if you wish the TV set to automatically switch the screen format according to the broadcast signal) or **Off** (if you wish to keep your preference). Finally press **OK** to store.

i Even if you have selected "On" or "Off", you can always modify the format of the screen by pressing F repeatedly on the remote control to select one of the following formats:

SMART: Imitation of wide screen effect for 4:3 broadcast.



4/3: Conventional 4:3 picture size, full picture information.



14/9: Compromise between 4:3 and 16:9 picture size.



ZOOM: Widescreen format for letterbox movies.



WIDE: For 16:9 broadcast. Full picture information.



i In "SMART", "ZOOM" and "14/9" modes, parts of the top and bottom of the screen are cut off. Press \downarrow or \uparrow to adjust the position of the image on the screen (e.g. to read subtitles).
• Only "WIDE" and "4/3" modes can be selected for an RGB signal connected to the PC D connector.

• According to the format of diffusion, black bands can always appear whatever the selected mode.

AV3 OUTPUT

This option allows you to select the source to be output from the Scart connector $\text{G-3/} \text{D-3}$ so that you can record from this Scart any signal coming from the TV or from an external equipment connected to the Scart connector $\text{G-1/} \text{D-1}$, $\text{G-2/} \text{D-2}$ or front connectors D-4 or D-4 and D-4 .

i If your VCR supports SmartLink, this procedure is not necessary.

To do this:

Once you have entered into the "Features" menu as it is explained in the previous page and after selecting the option, press **OK**. Then press \downarrow or \uparrow to select the desired output signal:

- TV** to output the aerial source.
- AV1** to output sources connected to $\text{G-1/} \text{D-1}$.
- AV2** to output sources connected to $\text{G-2/} \text{D-2}$.
- AV4** to output sources connected to D-4 or D-4 and D-4 .
- AUTO** to output the signal that is being viewed on the TV.

- i** If you select "AUTO", the output signal will always be the same one that is displayed on the screen.
- If you have connected a decoder to the Scart $\text{G-3/} \text{D-3}$ or to a VCR connected to this Scart, please remember to change back the "AV3 Output" to "TV" for correct unscrambling.

CONNECTION GUIDE

Even you have already connected the external equipment to the TV set, it is important for you to follow the instructions of this menu. If you proceed in this way, you will get the optimum picture settings related with the optional equipment.

To do this:

1 Once you have entered the "Features" menu as it is explained in the previous page and after selecting the option, press **OK**. Next press \downarrow or \uparrow to choose the equipment you want to connect among the available: **SAT** (satellite), **Decoder**, **DVD**, **GAME**, **VIDEO** or **DVD rec.** (DVD recorder). Next press \rightarrow to select the equipment chosen (equipment selected also can be deleted by pressing \leftarrow). Once you have selected all the equipment to be connected, press \downarrow or \uparrow to select "Confirm" and press **OK**.

2 A new menu will appear showing you on which Scart connector of the rear of the TV should be connected each equipment. Please connect each equipment according to this information to get the optimum picture setting of the optional equipment.

3 Once you have connected the optional equipment, press \leftarrow or \rightarrow to select "OK" and finally press the **OK** button of the remote control.

We strongly recommend you to follow our connection proposals, but in case you do not agree press \leftarrow or \rightarrow to select «No» and next press the OK button. A new menu appears on the screen in which you can assign the connections according to your preferences.

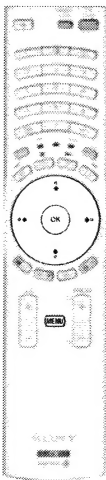
RGB CENTRING

i This option is only available if an RGB source has been connected to the TV.

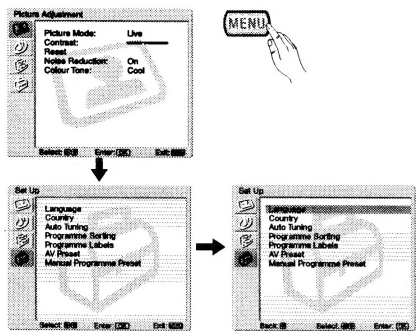
This option allows you to readjust the horizontal position of the picture in case you need to do it when connecting an RGB source.

To do this:

Once you have entered the "Features" menu as it is explained in the previous page and while watching an RGB source select the "RGB Centring" option and press **OK**. Then press \downarrow or \uparrow to adjust the centre of the picture between -5 and +5. Finally press **OK** to confirm and store.



The Set Up Menu



i The "Set Up" menu allows you to alter various options on this TV.

To do this:
Press the MENU button and press \downarrow three times to select MENU , then press OK to enter this menu. Next press \downarrow or \uparrow to select the desired option and press OK. Finally read below how to operate into each option.

LANGUAGE

This option allows you to select the language that menus are displayed in.

To do this:
After selecting the option, press OK and then proceed in the same way as in step 2 of the section "Switching On the TV and Automatically Tuning" on page 10.

COUNTRY

This option allows you to select the country in which you wish to operate the TV set.

To do this:
After selecting the option, press OK and then proceed in the same way as in step 3 of the section "Switching On the TV and Automatically Tuning" on page 10.

AUTO TUNING

This option allows you to automatically search for and store all available TV channels.

To do this:
After selecting the option, press OK and then proceed in the same way as in the steps 5 and 6 of the section "Switching On the TV and Automatically Tuning" on page 11.

PROGRAMME SORTING

This option allows you to change the order in which the channels (TV Broadcast) appear on the screen.

To do this:
After selecting the option, press OK and then proceed in the same way as in the step 7 of the section "Switching On the TV and Automatically Tuning" on page 11.

continued...

MANUAL PROGRAMME PRESET

This option allows you to:

a) Preset channels or the VCR channel one by one to the programme order of your choice.

To do this:

- Once you have entered the "Set Up" menu as it is explained on page 18 and after selecting the "Manual Programme Preset" option, press OK. Next with the **Programme** option highlighted press the PROG +/- button to select the programme number with the channel you wish to name. When the programme you want to name appears on the screen, select the **Label** option and press OK. Then, with the first element highlighted, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the letter, next press OK. When you have finished, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the word "End" on the screen and finally press OK to turn off the menu from the screen.
- i** The following option is only available depending on the country you have selected in the "Country" menu.
After selecting the **System** option, press OK. Then press \downarrow or \uparrow to select the TV Broadcast system (B/G for western European countries, D/K for eastern European countries, L for France or I for United Kingdom). Then press \leftarrow .
- After selecting the **Channel Number** option, press OK. Next press \downarrow or \uparrow to select the channel tuning ("C" for terrestrial channels or "S" for cable channels). Then press the number buttons to enter directly the channel number of the TV Broadcast or the channel of the VCR signal. If you do not know the channel number, press \rightarrow and \downarrow or \uparrow to search for it. When you have tuned the desired channel, press OK twice to store.

Repeat all the above steps to tune and store more channels.

b) Label a channel using up to five characters.

To do this:

- Once you have entered the "Set Up" menu as it is explained on page 18 and after selecting the "Manual Programme Preset" option, press OK. Next with the **Programme** option highlighted press the PROG +/- button to select the programme number with the channel you wish to name. When the programme you want to name appears on the screen, select the **Label** option and press OK. Then, with the first element highlighted, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the letter, next press OK. When you have finished, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the word "End" on the screen and finally press OK to turn off the menu from the screen.
- To correct the letter, select " " on the screen to go back and press OK.
 - For a blank, select " " on the screen and press OK.

c) Fine tune the broadcast reception. Normally the automatic fine tuning (AFT) will give the best possible picture, however you can manually fine tune the TV to obtain a better picture reception in case the picture is distorted.

To do this:

While watching the channel (TV Broadcast) you wish to fine tune, and once you have entered the "Set Up" menu as it is explained on page 18 and after selecting the "Manual Programme" option, press OK. Then select the AFT option and press \rightarrow . Next press \downarrow or \uparrow to adjust the fine tuning between -15 and +15. Finally press OK twice to store.

d) Skip any unwanted programme numbers when they are selected with the PROG +/- buttons.

To do this:

Once you have entered the "Set Up" menu as it is explained on page 18 and after selecting the "Manual Programme Preset" option, press OK. Next with the **Programme** option highlighted, press the PROG +/- button to select the programme number you want to skip. When the programme you want to skip appears on the screen, select the **Skip** option and press \rightarrow . Next press \downarrow or \uparrow to select On. Finally press OK twice to confirm and store.

To cancel this function afterwards, select "Off" instead of "On" in the step above.

e) View and record scrambled channels (e.g. from a pay TV decoder) when using a decoder connected to Scart 3/ 3 directly or through a VCR.

- i** This option is only available depending on the country you have selected in the "Country" menu.

To do this:

Once you have entered the "Set Up" menu as it is explained on page 18 and after selecting the "Manual Programme Preset" option, press OK. Next select the **Decoder** option and press \rightarrow . Next press \downarrow or \uparrow to select On. Finally press OK twice to confirm and store.

To cancel this function afterwards, select "Off" instead of "On" in the step above.

PROGRAMME LABELS

This option allows you to name a channel using up to five characters (letters or numbers).

To do this:

- Once you have entered the "Set Up" menu as it is explained in the previous page and after selecting the option, press OK, then press \downarrow or \uparrow to select the programme number with the channel you wish to name. Next press OK.
- With the first element of the **Label** column highlighted, press OK and \downarrow , \uparrow , \leftarrow or \rightarrow to select the letter, next press OK. When you have finished, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the word "End" on the screen and finally press OK to turn off the menu from the screen.

- To correct the letter, select " " on the screen to go back and press OK.
- For a blank, select " " on the screen and press OK.

AV PRESET

This option allows you to:

a) Designate a name to the external equipment you have connected to the input sockets of the TV set.

To do this:

- Once you have entered the "Set Up" menu as it is explained in the previous page and after selecting the option, press OK, then press \downarrow or \uparrow to select the input source you wish to name: AV1, AV2 or AV3 for the rear Scarts, AV4 for front connectors and AV5 for the PC input connector. Next press OK twice.

2 A label automatically appears in the label column:

a) If you want to use one of the predefined labels, press \downarrow or \uparrow to select the desired label and finally press OK.

- i** The total predefined labels are: VIDEO, DVD, CABLE, GAME, CAM (camcorder), SAT (satellite) or PC (only for the AV5).

b) If you want to set a different label, select Edit and press OK. Then, with the first element highlighted, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the letter, next press OK. When you have finished, press \downarrow , \uparrow , \leftarrow or \rightarrow to select the word "End" on the screen and finally press OK to turn off the menu from the screen.

- To correct the letter, select " " on the screen to go back and press OK.
- For a blank, select " " on the screen and press OK.

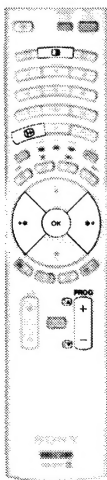
b) Change the input sound level of the optional equipment connected.

To do this:

Once you have entered the "Set Up" menu as it is explained in the previous page and after selecting the option press OK, then press \downarrow or \uparrow to select the input source you want to alter the input sound level: AV1, AV2 or AV3 for the rear Scarts, AV4 for front connectors and AV5 for the PC input connector. Next press twice \rightarrow to highlight the **Sound Offset** column. Finally press OK and \downarrow or \uparrow to alter the input sound level between -9 and +9.

PAP (PICTURE AND PICTURE)

- i** PAP divides the screen into two to watch two pictures in format 4:3 simultaneously.



Switching PAP on and off

1 Press PAP to display PAP.

- i** One of the screens will be framed to indicate that this is the active screen. It means that when you want to select the PAP source, you will be doing it in the active screen.

2 Press PAP again to remove PAP.

- i** On the screen appears a banner guiding you how to operate PAP. This banner will disappear after some seconds but it always can be displayed again by pressing the PAP button.



Changing the active screen

- i** This is only possible if Media Selector is set to TV.

To change the active screen (framed), press the \leftarrow or \rightarrow buttons.

Selecting PAP source

1 **Selecting a TV channel:**

Press the PAP button to select the left screen as the active screen. Next press the number buttons or PROG +/- to select a TV channel.

- i** Video input signals can not be displayed on the left screen.

2 **Selecting an input source:**

Press the PAP button to select the right screen as the active screen. Next press repeatedly the PAP button to watch the input signal of a connected equipment onto the TV right screen. For more details on which input symbol you want to choose, please see section "Viewing pictures from equipment connected to the TV" on page 25.

- i** RF signal (TV broadcast channels) can not be displayed on the right screen.

Selecting the sound

The sound of the active screen (framed) always comes from the TV set loudspeakers. Besides that, you can listen to the active screen as well as the non active screen via headphones.

To do this:

With the PAP switched on, refer to the section "The Sound Adjustment Menu", select "Headphones Set Up" and set the option "PAP Sound" according your preference. For details see page 15.

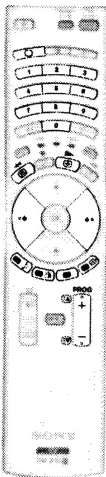
- i** In PAP (picture and picture) mode, the output from the Scart 2/ 2 is fixed to the right picture.

continued...

Teletext

Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.



- To switch on Teletext :**
- 1 Select the broadcast channel which carries the teletext service you wish to view.
 - 2 Press the **TEXT** button one time to enter Picture and Text (P&T) mode. The screen is divided into two with the Text display on the left and the TV channel in the right corner.
 - 3 If you wish to view the Text in full screen mode, press the **TEXT** button a second time.



- To select a Teletext page:**
Input 3 digits for the page number, using the numbered buttons.
- If you make a mistake, retype the correct page number.
 - If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number.

To access the next or preceding page:
Press **PROG +** (**▲**) or **PROG -** (**▼**).

To freeze a teletext page:
Press **FREEZE**. Press it again to cancel the freeze.

To select a sub page:
A teletext page may consist of several sub pages. In this case, one or more arrows appear next to the page number and an information box is displayed at the bottom of the screen showing the number of sub pages contained on this page. As soon as sub pages are available, they start to automatically run. If you want to stop the show and select your desired sub page, press repeatedly **◀** or **▶**.

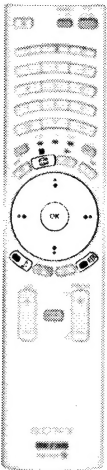
To Switch Off Teletext:
Press **OFF**.

Fastext
Fastext service lets you access Teletext pages with one button push. When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice.

NexTVView*

- *(depending on availability of service).
- 1 NexTVView is an on-screen electronic programme guide, providing you with programme information for different broadcasters. When looking for information you can search by theme (sports, art, etc...) or date.
 - 2 If wrong characters appear when viewing NexTVView, use the menu system to enter the "Language" menu (see page 18) and select the same language as the NexTVView is broadcasted.

Displaying NexTVView



- 1 Select a broadcast channel providing a NexTVView service. In this case the indication "NexTVView" is displayed as soon as data is available.
- 2 To see NexTVView service you have two different types of NexTVView interface. These depend on the % of available data:
 - a) "Programme List" interface:
Whilst you are watching TV, and after the indication "NexTVView" (coloured white) is displayed on the screen, press the **LIST** button on the remote control to watch the "Programme List" interface (see fig. 1).
 - b) "Overview" interface:
Whilst you are watching TV, and after more than 50% of NexTVView data is available (100% data may not be available depending on the area) the indication "NexTVView" (coloured black) is displayed on the screen. Press the **LIST** button on the remote control to watch the "Overview" interface (see fig. 2).
- 3 To navigate through NexTVView:
 - Press **◀** or **▶** to move left or right.
 - Press **▲** or **▼** to move downwards or upwards.
 - Press **OK** to confirm a selection.
 - If you have selected a programme, press **OK** to get more information on the selected programme.
- 4 To switch NexTVView off, press the **OFF** button on the remote control.

"Programme List" interface (fig. 1):



- 1 Programme list
- 2 Date: Press the **red** button of the remote control to display the date screen, you can select the desired date by pressing **▲** or **▼**. Next press **OK** to confirm.
- 3 Categories: Press the **blue** button of the remote to display the icons (see below the Icon's key) for different themes. Next press **▲** or **▼** to select the desired icon and finally press the **OK** button to confirm.

"Overview" interface (fig. 2):



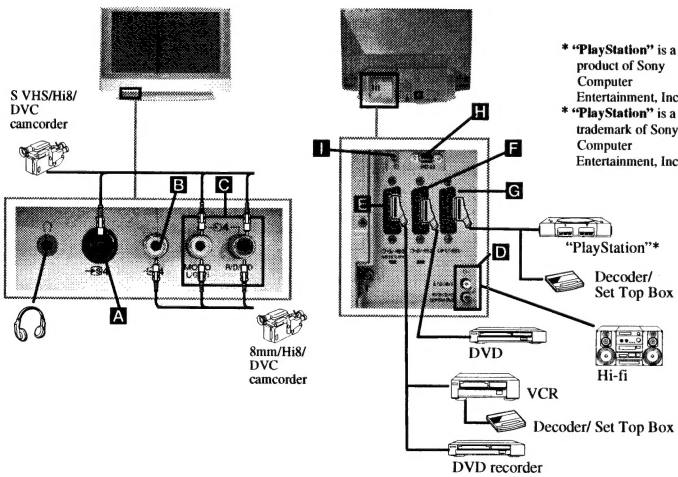
Icons' key:

- | | |
|--|--------------|
| General: All the programme information is listed by time and broadcast channels order. | Show |
| Children | Arts |
| News | Music |
| Movie | |
| Sports | |

KF-50/60SX300
RM-906

Connecting Equipment to the TV

- 1 Using the following instructions you can connect a wide range of optional equipment to your TV set.
- 2 Connecting cables are not supplied.



- 1 To avoid picture distortion, do not connect external equipment to connectors **A** and **B** at the same time.
- 2 Do not connect a Decoder to the Scart **F**.

Connecting a VCR

To connect a VCR, please refer to the section "Connecting the aerial and VCR" of this instruction manual on page 9.

Connecting a VCR that supports SmartLink

SmartLink is a direct link between the TV set and the VCR. For more information on SmartLink, please refer to the instruction manual of your VCR. If you use a VCR that supports SmartLink, please connect the VCR to the TV using a Scart lead to the Scart **3/3** **E**.

If you have connected a decoder or a Set Top Box to the Scart **3/3** **E** or through a VCR connected to this Scart

Select the "Manual Programme Preset" option in the "Set Up" menu and after entering in the "Decoder**" option, select "On" (refer to page 20). Repeat this option for each scrambled signal.

**This option is only available depending on the country you have selected in the "Country" menu.

continued...

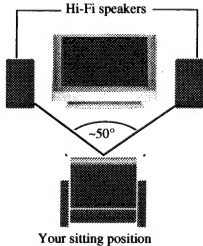
Connecting Audio Equipment to the TV

Connect your audio equipment to the audio output sockets **D** if you wish to amplify the audio output from TV. Next, using the menu system, select the "Sound Adjustment" menu and set the "TV Speakers" to "One time off" or "Permanent off" (see page 15).

The volume of the external speakers can be altered by pressing the volume buttons on the remote control. The Treble and Bass settings can also be altered through the "Sound Adjustment" menu (see page 14).

To enjoy "Dolby Virtual" sound effect through your audio equipment

Place the speakers of your equipment in front of your listening position and beside the TV set, keeping a distance of 50 cm between each speaker and the TV set. Then by using the menu system, select the menu "Sound Adjustment". Next select "Dolby Virtual" on the "Sound Effect" option (see page 14).



Viewing pictures from equipment connected to the TV



- 1 Connect your equipment to the designated TV socket, as indicated in the previous page.
 - 2 Switch on the connected equipment.
 - 3 To watch the picture of the connected equipment, press the **INPUT** button repeatedly until the correct input symbol appears on the screen.
- | Symbol | Input Signals |
|--------|--|
| | • Audio / video input signal through the Scart connector G |
| | • RGB input signal through the Scart connector G . This symbol appears only if an RGB source has been connected. |
| | • Audio / video input signal through the Scart connector F . |
| | • RGB input signal through the Scart connector F . This symbol appears only if an RGB source has been connected. |
| | • Audio/video input signal through the Scart connector E . |
| | • S Video Input signal through the Scart connector E . This symbol appears only if an S Video source has been connected. |
| | • Video input signal through the phono socket B and Audio input signal through C . |
| | • S Video Input signal through the front S Video input jack A and Audio signal through C . This symbol appears only if an S Video source has been connected. |
| | • RGB input signal through the PC connector H and I . |

4 Press the **OFF** button on the remote control to return to the normal TV picture.

For Mono Equipment

Connect the phono plug to the L/G/S/I socket on the front of the TV and select 4 or 4 input signal using the instructions above. Next, refer to the "Sound Adjustment" section of this manual and set "Dual Sound" option to "A" on the sound menu screen (see page 14).

KF-50/60SX300
RM-906

Remote Control Configuration for VCR or DVD

In its default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models), the remote control needs to be configured.

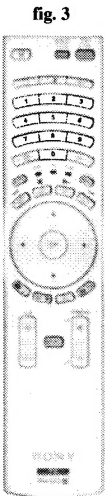
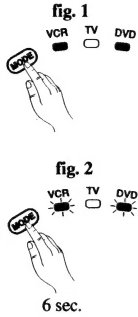


fig. 3

- To do this:
- Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On those brands that have more than one code, enter the first code number.
 - A small label is added inside the battery door to allow you to record your brand codes.
- Press the **Media Selector** button until the required green light (VCR or DVD) is lit (see fig. 1).
 - Before the green light goes out, press and hold the **yellow** button for approximately 6 seconds until the green light (VCR or DVD) starts flashing (see fig. 2).
 - While the VCR and DVD lights are flashing, enter all three digits of the code for your brand of VCR or DVD (see the list below) using the **number** buttons on the remote control (see fig. 3).
 - If your selected code is entered correctly, the three green lights will be lit momentarily. Otherwise repeat all the above steps.
 - Turn on your VCR or DVD and check that the main functions work.
 - If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
 - Not all brands are covered and not all models of every brand may be covered.
 - Always remember to press **Media Selector** button until the green light illuminates according to the equipment you want to operate with this remote control: **VCR, TV or DVD**.

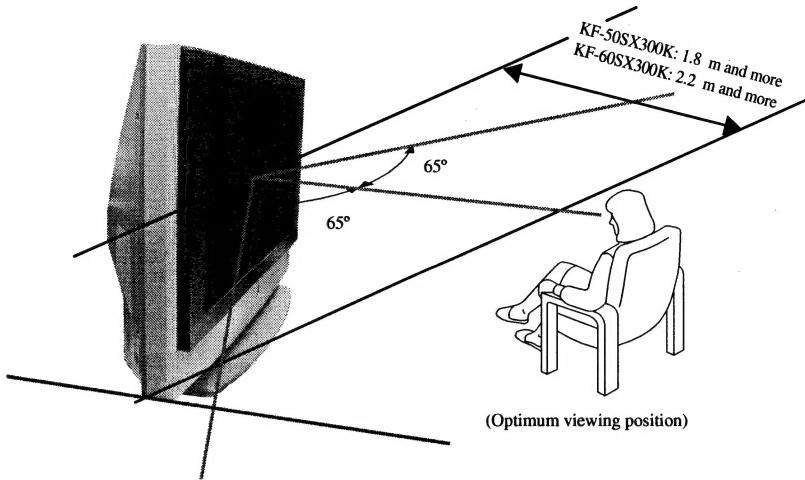


| VCR Brand List | | DVD Brand List | |
|----------------|--|----------------|---|
| Brand | Code | Brand | Code |
| SONY (VHS) | 301, 302, 303, 308, 309, 362 | SONY | 001, 029, 030, 036, 037, 038, 039, 040, 041, 042, 043, 044, 053, 054, 055 |
| SONY (BETA) | 303, 307, 310 | AIWA | 021 |
| SONY (DV) | 304, 305, 306 | AKAI | 032 |
| AIWA | 325, 331, 351 | DENON | 018, 027, 020, 002 |
| AKAI | 326, 329, 330 | GRUNDIG | 009, 028, 023, 024, 016, 003 |
| DAEWOO | 342, 343 | HITACHI | 025, 026, 015, 004, 035 |
| GRUNDIG | 358, 355, 360, 361, 320, 351, 366 | JVC | 006, 017 |
| HITACHI | 327, 333, 334 | KENWOOD | 008 |
| JVC | 314, 315, 322, 344, 352, 353, 354, 348, 349 | LG | 015, 014, 034 |
| LG | 332, 338 | LOEWE | 009, 028, 023, 024, 016, 003 |
| LOEWE | 358, 355, 360, 361, 320, 351 | MATSUI | 013, 016 |
| MATSUI | 356, 357 | ONKYO | 022, 033 |
| ORION | 328 | PANASONIC | 018, 027, 020, 002, 045, 046, 047 |
| PANASONIC | 321, 323 | PHILIPS | 009, 028, 023, 024, 016, 003, 031 |
| PHILIPS | 311, 312, 313, 316, 317, 318, 358, 359, 363, 364 | PIONEER | 004, 050, 051, 052 |
| SAMSUNG | 339, 340, 341, 345 | SAMSUNG | 011, 014 |
| SANYO | 335, 336 | SANYO | 007 |
| SHARP | 324 | SHARP | 019, 027 |
| THOMSON | 319, 350, 365 | THOMSON | 012 |
| TOSHIBA | 337 | TOSHIBA | 003, 048, 049 |
| | | YAMAHA | 018, 027, 020, 002 |

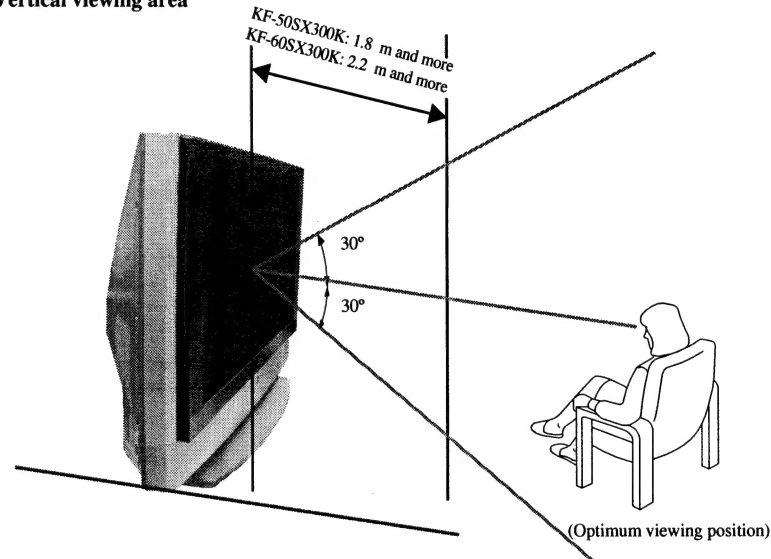
Optimum Viewing Area

For the best picture quality, try to position the TV set so that you can view the screen from within the areas shown below.

Horizontal viewing area



Vertical viewing area

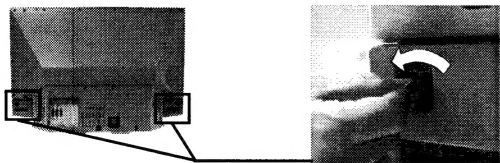


KF-50/60SX300
RM-906

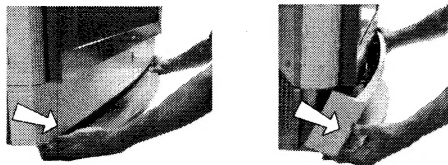
Replacing the lamp

- When the lamp becomes dark or the picture colour is not normal or the lamp indicator on the TV set flashes, replace with a new lamp.
- Only use the lamp XL-2100E for replacement. If you use another lamp, it may cause damage to the TV set.
 - Do not remove the lamp except when replacing it.
 - Before replacing the lamp, turn off the power and disconnect the power cord.
 - Replace the lamp only after it becomes cool. The front glass of the lamp remains at least 100 °C (212 °F) even after the power has been turned off for 30 minutes.
 - Do not place the old lamp in proximity to children or flammable material.
 - Do not get the old lamp wet, or insert objects inside the lamp. It may cause the lamp to explode.
 - Do not place the old lamp near easily flammable objects, as this may cause fire. Also, do not put your hand inside the lamp compartment, as you may be burned.
 - Attach the new lamp securely. If it is not securely attached, the picture may become dark.
 - Do not touch or stain the front glass of the new lamp or the glass of the lamp compartment. If the glass become dirty, the picture quality may deteriorate or the lamp life may shorten.
 - Attach the lamp cover firmly. If it is not firmly attached, the power will not turn on.
 - When the lamp burns out, a noise is audible. This does not indicate damage to the TV set.
 - Consult your nearest Sony service center to obtain a new lamp.
 - Always remember to dispose of used lamps in an environmentally friendly way.

- Turn off the power and disconnect the power cord.
 - If you start changing the lamp without disconnecting the power cord, the standby indicator on the TV set flashes. Disconnect the power cord to continue changing the lamp.
 - Replace the lamp 30 minutes or more after the power is turned off to allow it to cool.
 - Prepare the new lamp.
- Loosen the two screws placed on the left and right corner of the rear of the TV with an object such as a coin.

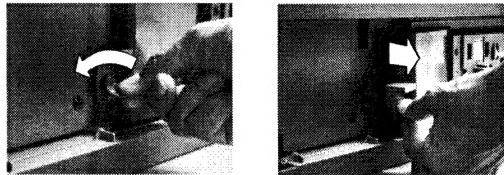


- Remove the front panel.
Remove the front panel without moving the TV set



Grasp the left and right side of the front panel with your fingers and pull it forward. Be careful not to catch your fingers.

- Loosen the screw with an object such as a coin and remove the lamp cover.



- Loosen the two screws and pull out the lamp.



Loosen two screws with the hexagon key supplied.











Pull out the lamp by the handle.

The lamp is still extremely hot immediately after the power is turned off. Be careful that you don't touch the front glass or surrounding area of the lamp or the glass of the lamp compartment.

- Attach the new lamp.
Replace the new lamp securely in the lamp receptacle and fasten the screws tightly using the hexagon key supplied.
- Attach the lamp cover.
Fasten the screw tightly with an object such as a coin.
- Attach the front panel.
Attach the front panel by pushing left and right side into place. Next, fast again the two screws placed on the left and right corner of the rear of the TV.

KF-50/60SX300
RM-906


Technical Specifications








| | | |
|---|--|---|
| TV system: Depending on your country selection: B/G/H, D/K, L, I | Rear Terminals <ul style="list-style-type: none">• AV1  1 21-pin scart connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.• AV2  2 21-pin Scart connector (CENELEC standard) including audio / video input, RGB input, monitor audio/video output.• AV3  3 21-pin Scart connector (CENELEC standard) including audio / video input, S video input, selectable audio / video output and SmartLink interface.•  audio outputs (Left/Right) - phono jacks•  PC audio input - minijack.• PC  PC input. Front Terminals <ul style="list-style-type: none">•  4 S Video input – 4 pin DIN•  4 video input – phono jack•  4 audio input – phono jacks•  headphones jack Sound Output: 2 x 20 W (music power) 2 x 10 W (RMS) Woofer: 30 W (music power) 15 W (RMS) | Power Consumption: 210 W Standby Power Consumption: ≤ 1 W Dimensions (w x h x d) : <ul style="list-style-type: none">• KF-50SX300K: approx. 1376 x 923 x 442 mm.• KF-60SX300K: approx. 1618 x 1062 x 542 mm. Weight: <ul style="list-style-type: none">• KF-50SX300K: approx. 37.5 kg.• KF-60SX300K: approx. 48.5 kg. Accessories supplied: <ul style="list-style-type: none">• 1 Remote Control (RM-906)• 2 Batteries (IEC designated, AAA size).• 1 PC input cable.• 1 Hexagon key.• 2 Brackets.• 2 Screws.• 1 Cleaning Cloth. Other features: <ul style="list-style-type: none">• Digital Comb Filter (High resolution).• Teletext, Fastext, TOPtext.• NexTView.• SmartLink.• TV system autodetection.• Dolby Virtual.• BBE Digital.• NICAM.• PAP.• ACI (Auto Channel Installation).• Auto Format. Optional accessories: <ul style="list-style-type: none">• Stand especially designed for these sets (SU-5060SX3). |
|---|--|---|

Design and specifications are subject to change without notice.

This instruction manual has been printed on:
Ecological Paper - Totally Chlorine Free 

Troubleshooting

 Here are some simple solutions to problems which may affect the picture and sound.

| TV | |
|--|---|
| Problem | Solution |
| No picture (screen is dark) and no sound. | <ul style="list-style-type: none">• Check the aerial connection.• Plug the TV in and press the  button on the front of the TV.• If the standby indicator  is on, press TV  button on the remote control. |
| Poor or no picture (screen is dark), but good sound. | <ul style="list-style-type: none">• Using the menu system, select the “Picture Adjustment” menu and select “Reset” to return to the factory settings (see page 13). |
| No picture or no menu information from equipment connected to the Scart connector. | <ul style="list-style-type: none">• Check that the optional equipment is on and press the  button repeatedly on the remote control until the correct input symbol is displayed on the screen (see page 25). |
| Good picture, no sound. | <ul style="list-style-type: none">• Press the  + button on the remote control.• Check that “TV Speakers” is “On” in the “Sound Adjustment” menu (see page 14).• Check that headphones are not connected. |
| No colour on colour programmes. | <ul style="list-style-type: none">• Using the menu system, select the “Picture Adjustment” menu and select “Reset” to return to factory settings (see page 13). |
| When you switch on the TV the last channel you were watching before switching the TV off does not appear. | <ul style="list-style-type: none">• This is not a malfunction. Press the number buttons on the remote control to select the desired channel. |
| Distorted picture when changing programmes or selecting teletext. | <ul style="list-style-type: none">• Turn off any equipment connected to the Scart connector on the rear of the TV. |
| Wrong characters appear when viewing teletext. | <ul style="list-style-type: none">• Use the menu system to enter the “Country” menu (see page 18) and select the country in which you operate the TV set. For cyrillic languages, we recommend selecting Russia country if your own country does not appear in the list. |
| Wrong characters appear when viewing NexTView. | <ul style="list-style-type: none">• Use the menu system to enter the “Language” menu (see page 18) and select the same language that NexTView is broadcast in. |
| Snowy picture when viewing a TV channel. | <ul style="list-style-type: none">• Using the menu system, select the “Manual Programme Preset” menu and adjust Fine Tuning (AFT) to obtain better picture reception (see page 20).• Using the menu system, select the “Noise Reduction” option in the “Picture Adjustment” menu and select “On” to reduce the noise in the picture (see page 13). |
| No unscrambled picture whilst viewing an unscrambled channel with a decoder or a Set Top Box connected through the Scart connector  3 | <ul style="list-style-type: none">• Using the menu system, select the “Features” menu and set “AV3 Output” to “TV” (see page 17).• Check that the Decoder or the Set Top Box is not connected on the scart  2. |







PC Input Specifications

PC Input Timing

Input signal frequency:
Horizontal: 31,4 - 48,4 KHz.
Vertical: 59 - 61 Hz.
Maximum Resolution: 1024 dots x -768 lines.


Preset mode timing table for PC 

| Nº | Resolution (dots x lines) | Graphic mode | Horizontal frequency (kHz) | Vertical frequency (Hz) |
|----|---------------------------|--------------|----------------------------|-------------------------|
| 1 | 640 x 480 | VESA 60 | 31.469 | 59.940 |
| 2 | 800 x 600 | VESA 60 | 37.879 | 60.317 |
| 3 | 1024 x 768 | VESA 60 | 48.363 | 60.004 |

| Problem | Solution |
|--|--|
|  ,  ,  and  buttons do not work in PAP mode. | <ul style="list-style-type: none">• PAP navigation is only possible in TV mode, please check that Media Selector is set to TV. |
| Remote control does not function. | <ul style="list-style-type: none">• Be sure you are pointing it towards the remote control receiver (see page 8).• Check that the Media Selector on the remote control is set to the device you are using (VCR, TV or DVD).• If the remote control does not operate the VCR or DVD even when the Media Selector has been set correctly. Enter the necessary code set as explained on page 26.• Replace the batteries. |
| The standby indicator  on the TV flashes. | <ul style="list-style-type: none">• Contact your nearest Sony service centre. |
| The lamp indicator  on front of the TV set is lit. | <ul style="list-style-type: none">• Turn the TV off. Turn the TV on again, if the lamp indicator is still lit then replace the internal lamp. For details refer to pages 28 and 29. |

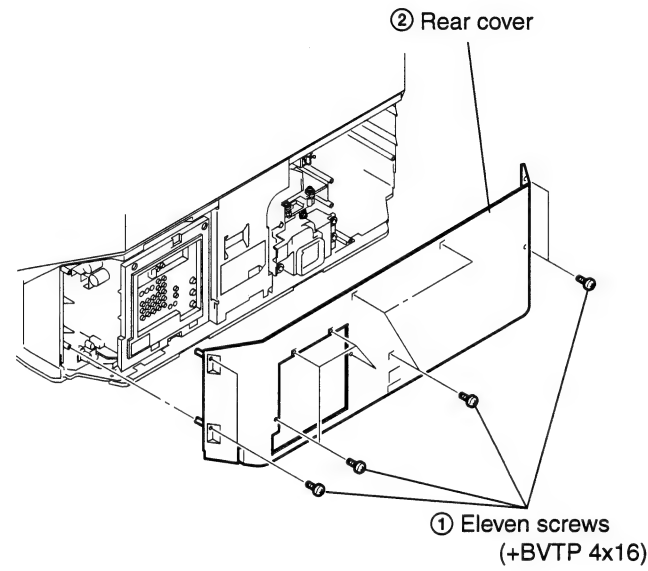
Personal Computer

| Problem | Solution |
|--|--|
| If no picture is displayed and the NO SYNC message appears on the screen. | <ul style="list-style-type: none">• Check that the video signal cable is properly connected and all plugs are firmly seated in their sockets.• Check that the 15-Sub video input connector's pins are not bent or pushed in. Personal Computer output format <ul style="list-style-type: none">• Check that the output signal format of the Personal computer is set to the corresponding format for the television. In case it is not, adjust the resolution and refresh rate to the corresponding signal (refer to page 31). Problems caused by the connected computer <ul style="list-style-type: none">• The computer is in power saving mode. Try pressing any key on the computer keyboard.• Check that the computer's power is "on".• Check that the computer's keyboard is properly connected.• Check that the graphic board is completely seated in the proper bus slot.• In case of a notebook PC, check that the monitor signal is set to the external output, and the signal is correctly output to the television. |
| Some picture lines are not correctly displayed. | <ul style="list-style-type: none">• Using the menu system, select the "Picture Adjustment" menu and adjust the "Lines Correction" option between -20 and +20 (see page 13). |
| Blurred letters or vertical lines or shade or noise is visible in detailed patterns. | <ul style="list-style-type: none">• Small letters, check or mesh patterns cannot be accurately displayed. In this case, increase the size of the fonts and/or reduce the mesh pattern brightness. |
| The Startup or the Setting screens of the Personal Computer cannot be displayed. | <ul style="list-style-type: none">• Depending on the PC, the Startup or Setting screens may not be displayed due to the output format of the image. These screens can be displayed on the monitor of the Personal Computer. |

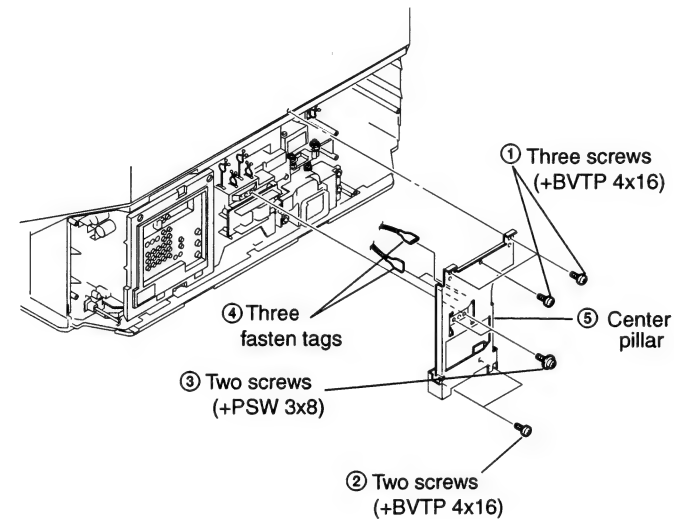
 **If you continue to experience problems, have your TV serviced by qualified personnel.**
Never open the casing yourself.

SECTION 3 DISASSEMBLY

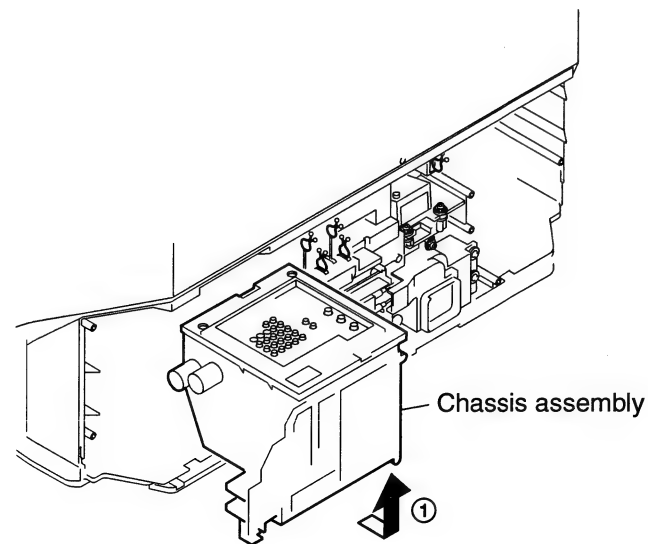
3-1. REAR COVER REMOVAL



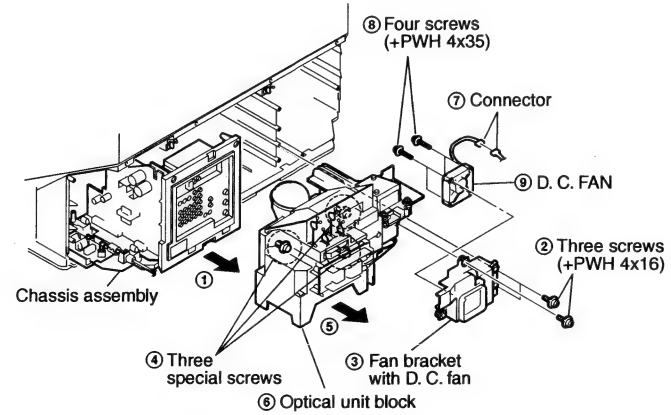
3-2. CENTER PILLAR REMOVAL



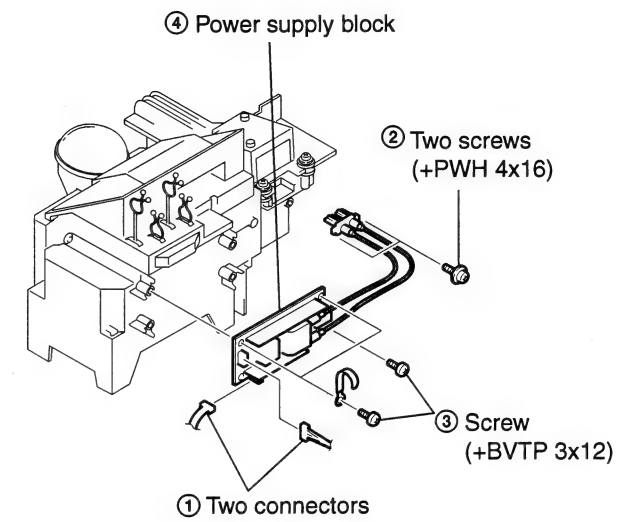
3-3. SERVICE POSITION



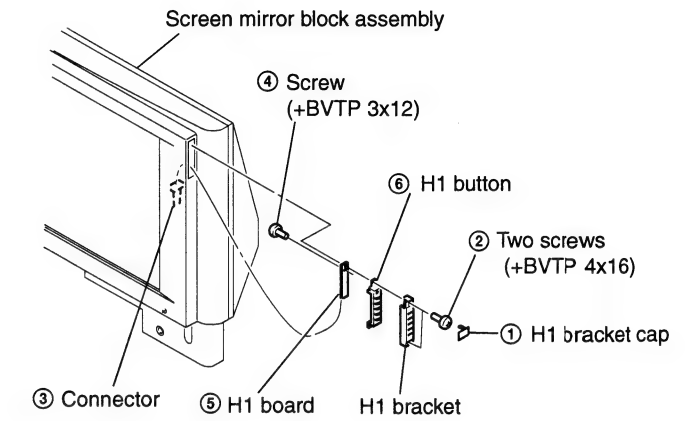
3-4. CHASSIS, OPTICAL UNIT, DC FAN REMOVAL



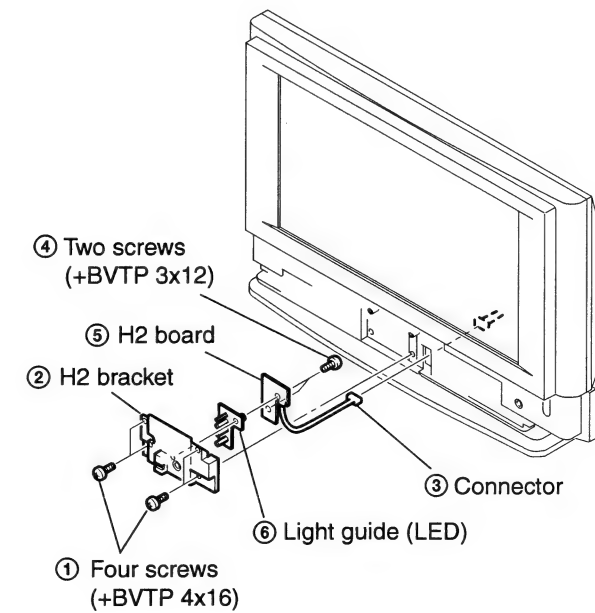
3-5. POWER BLOCK REMOVAL



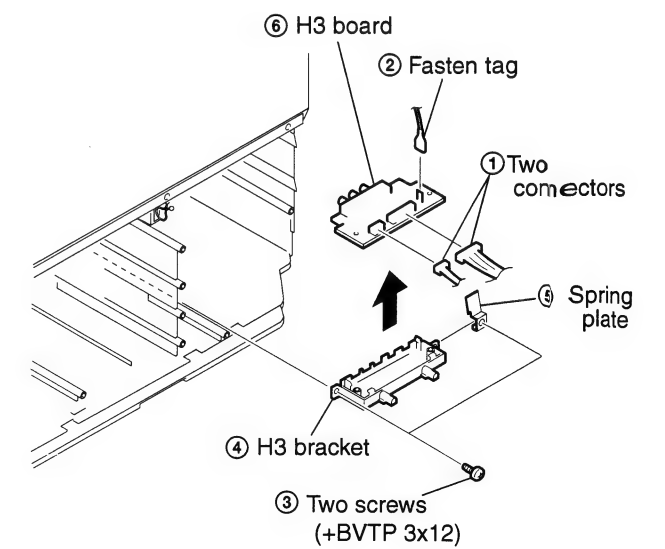
3-6. H1 BOARD REMOVAL



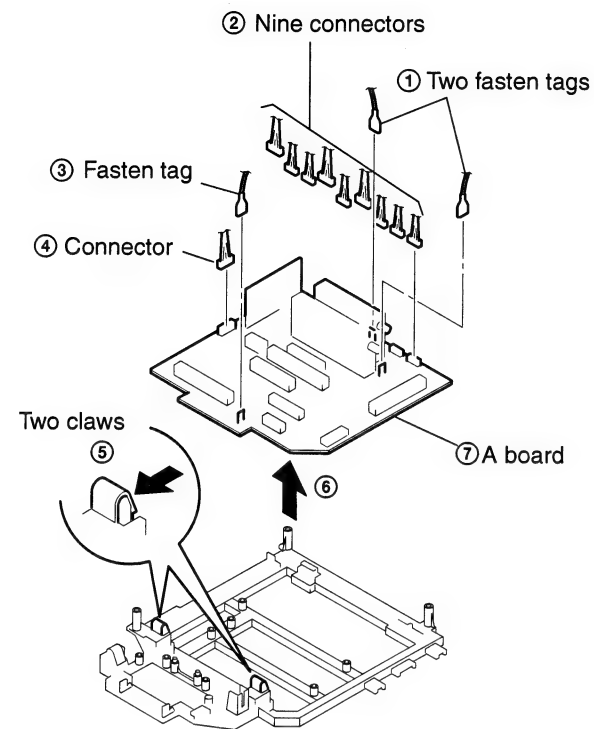
3-7. H2 BOARD REMOVAL



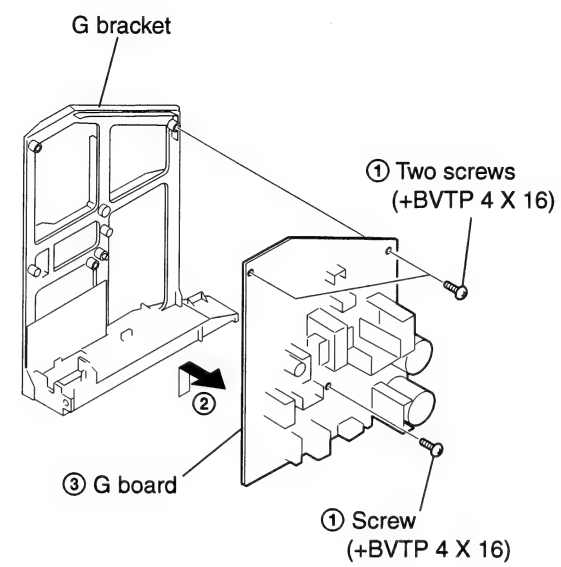
3-8. H3 BOARD REMOVAL



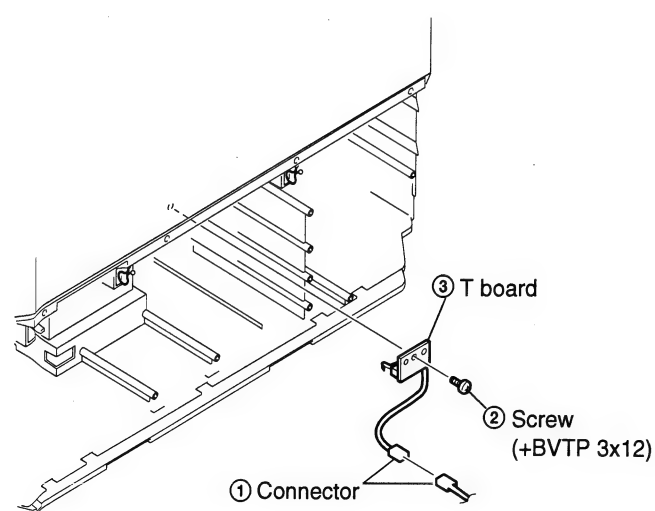
3-9. A BOARD REMOVAL



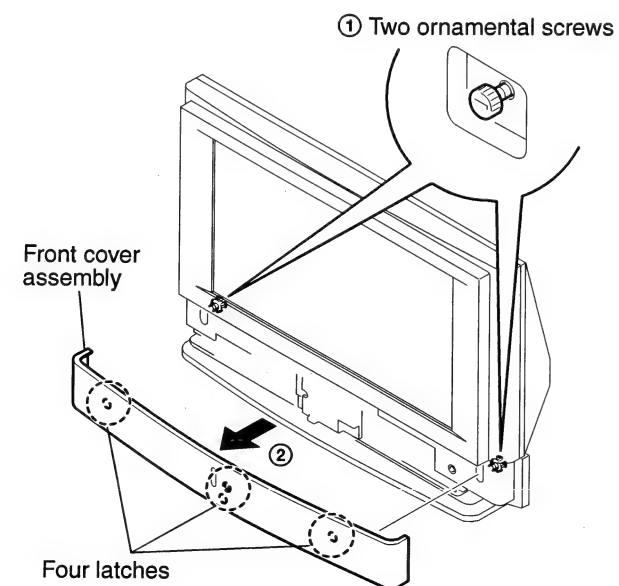
3-10. G BOARD REMOVAL



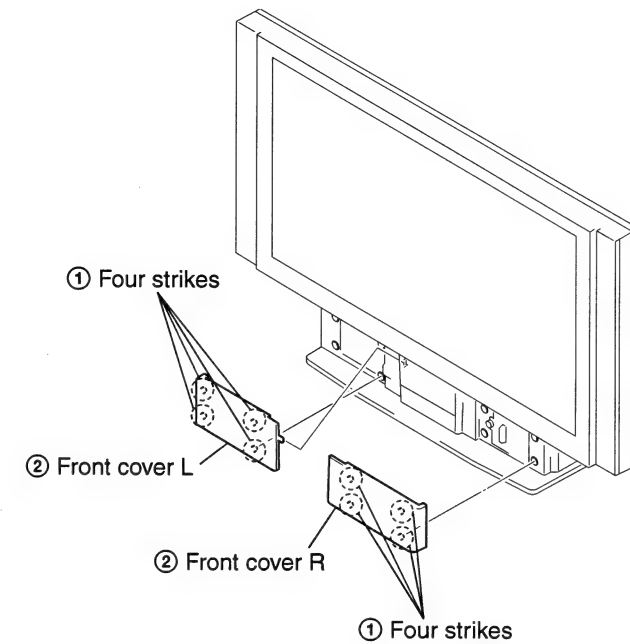
3-11. T BOARD REMOVAL



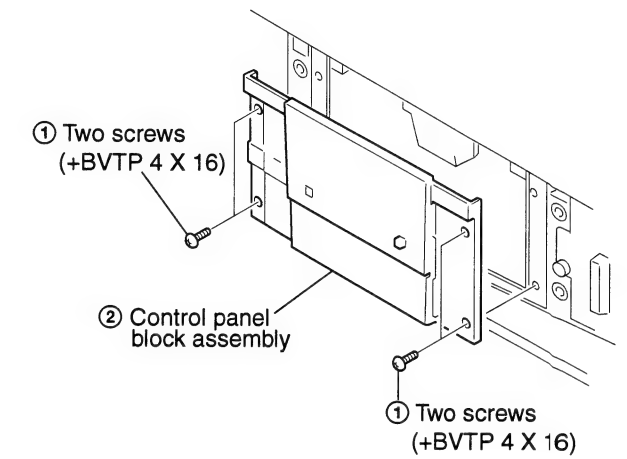
3-12. FRONT PANEL REMOVAL



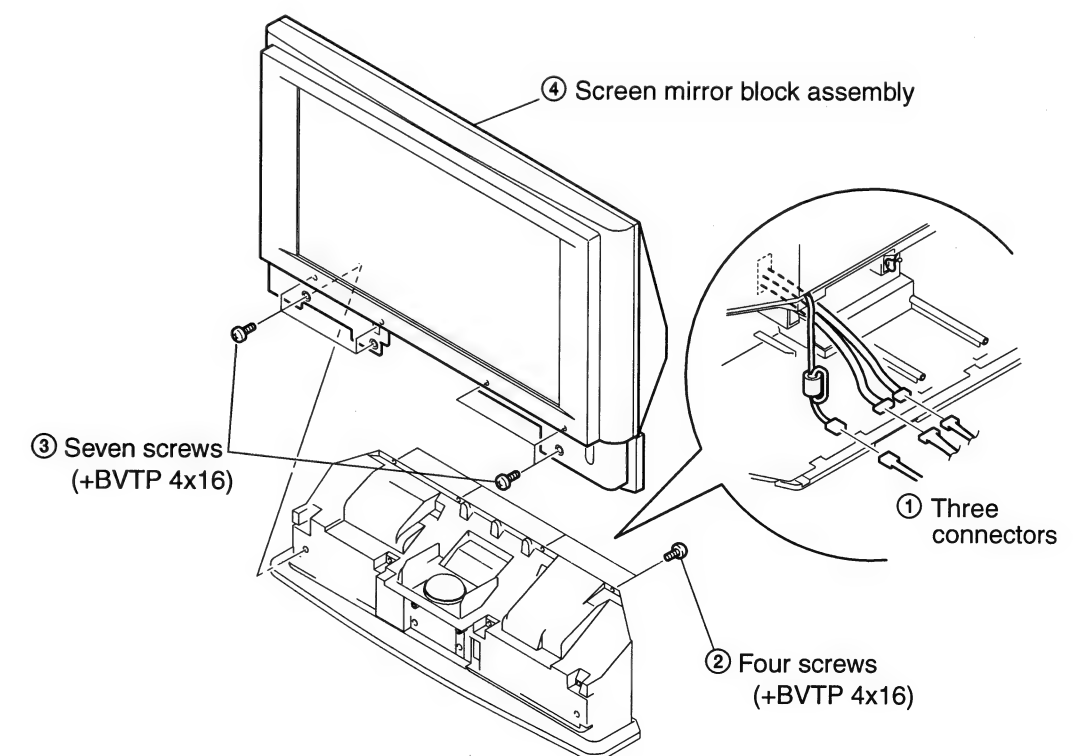
3-13. FRONT COVER REMOVAL



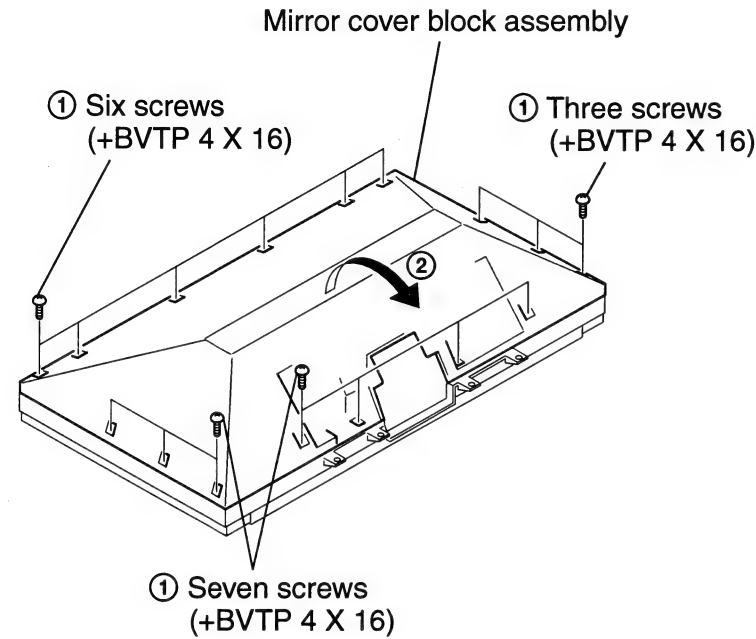
3-14. CONTROL PANEL REMOVAL



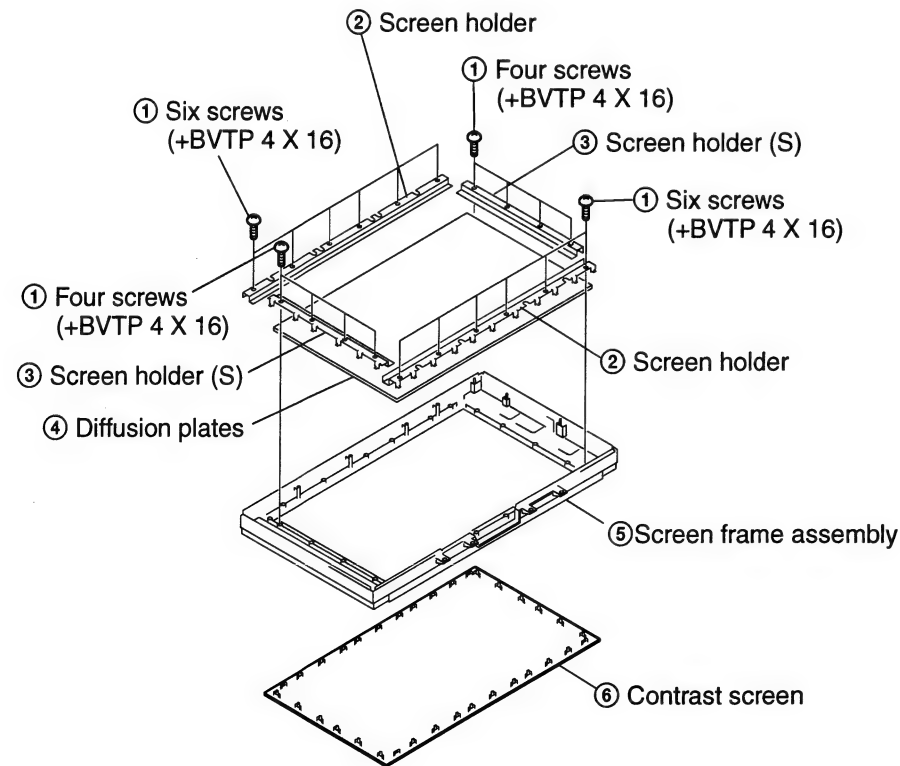
3-15. SCREEN, MIRROR BLOCK ASSEMBLY REMOVAL



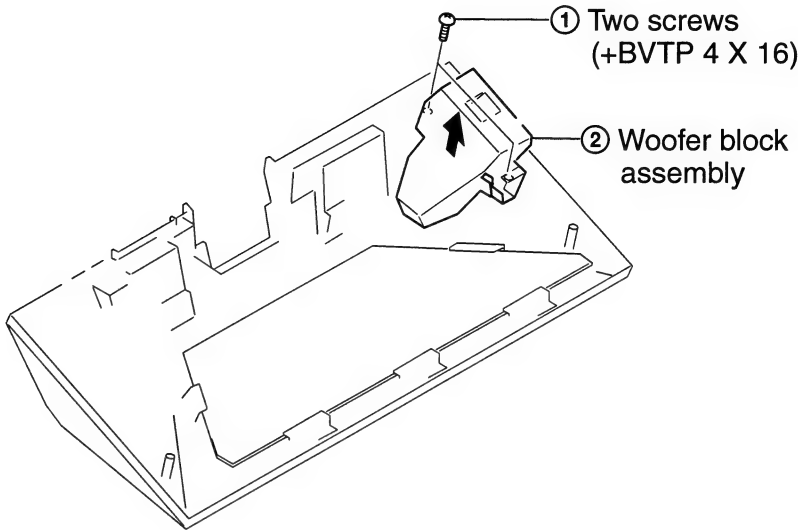
3-16. MIRROR COVER BLOCK ASSEMBLY REMOVAL



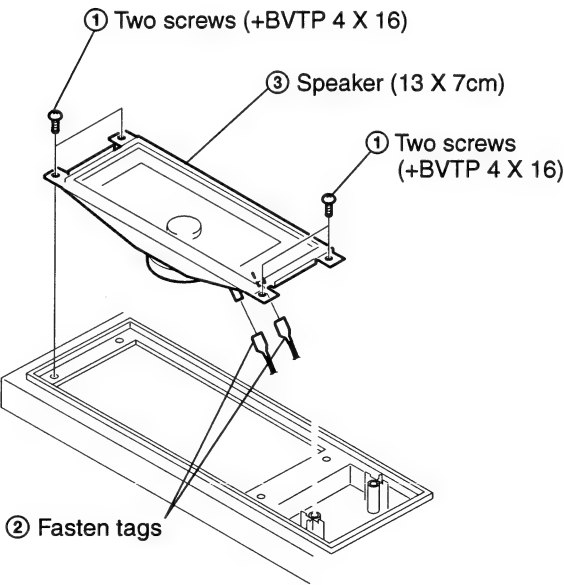
3-17. CONTRAST SCREEN, DIFFUSION PLATE REMOVAL



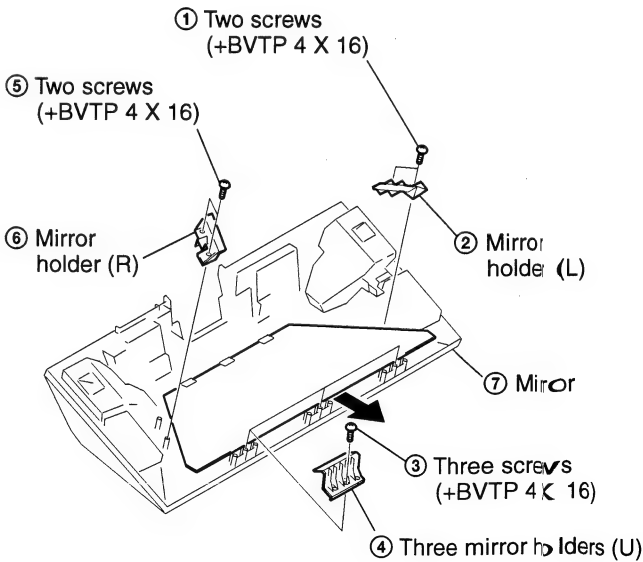
3-18. WOOFER BLOCK ASSEMBLY REMOVAL



3-19. SPEAKER REMOVAL



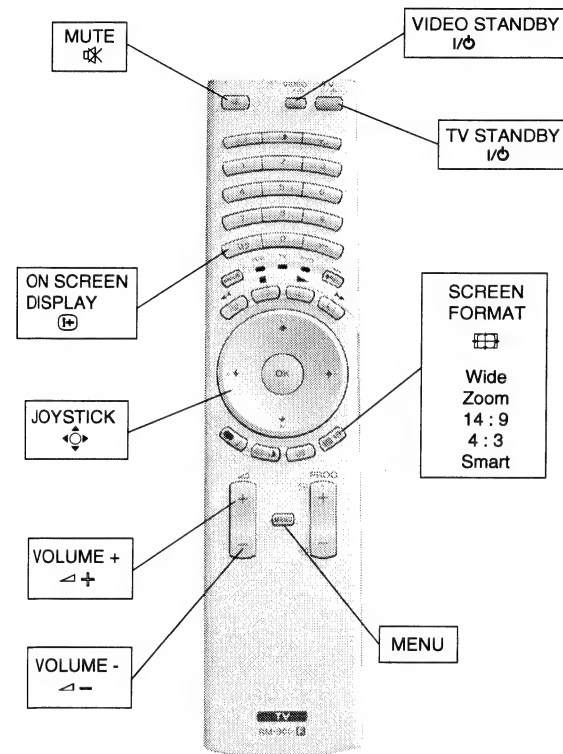
3-20. MIRROR REMOVAL



SECTION 4 ELECTRICAL ADJUSTMENTS

4-1. Adjustments with Commander

Service adjustments to this model can be performed using the supplied remote Commander RM-906.



4-1-1. How to Select Each Mode

1. Selection of Mode Between PAL and NTSC

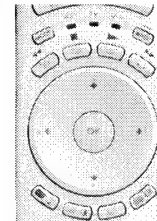
- PAL mode : Enter PAL signal.
NTSC mode : Enter NTSC signal. (VIDEO input only)

2. Selection of Screen Format

- Press 'BLUE' button on the commander to select a different screen format '14:9', '4:3' etc.

4-1-2. Programming the Remote Commander for Operation in Service Mode

- Press the VCR/TV/DVD button until the TV LED lights.
- Press and hold the yellow button for approx. 5 seconds until the TV LED flashes quickly.
- Press 99999. All three LED's should light. The remote commander is now set to Service Mode.
- To return the remote commander to normal operation mode repeat steps 1. and 2. then press 00000. All three LED's should light. The remote commander is now set to normal mode.



4-1-3. Setting the TV into Service Mode

- Program the remote commander for operation in Service Mode as described above.
- Turn on the TV main power switch.
- Press the video standby button on the remote commander twice. 'TT' will appear in the upper right corner of the screen. Other status information will also be displayed.
- Press 'MENU' on the remote commander to obtain the following menu on the screen.

| | | | |
|--------------------------------|--|--|---|
| Service Main Menu:LE4 (v0.24a) | | | |
| Service | | | ▶ |
| Design | | | |
| Error | | | |
| Select: ▲ ▼ Select Item: ▶ | | | |

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- Press the right arrow button to enter into the required menu item.
- Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

4-1-4. Screen Display for Service Menu

| | | | |
|---|--|--|---|
| Service | | | |
| Display | | | ▶ |
| Picture | | | |
| Audio | | | |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|---|--|--|---|
| Display | | | |
| Display adjustment | | | ▶ |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|---|-----------|---------|-------|
| Display adjustment | | | |
| Description | (min,max) | Default | Value |
| VT-SHIFT | (0,1) | 1 | 0 ▶ |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|---|--|--|---|
| Picture | | | |
| Picture settings | | | ▶ |
| White balance | | | |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|---|-----------|---------|-------|
| Picture settings | | | |
| Description | (min,max) | Default | Value |
| FLAT_POINT | (0,100) | 70 | 35 ▶ |
| PK_RATIO | (0,15) | 0 | 0 |
| SUB_COLOUR_PAL_NTSC | (0,63) | 32 | 32 |
| SUB_COLOUR_SECAM | (0,63) | 32 | 32 |
| BRIGHT_MAX | (0,255) | 255 | 255 |
| BRIGHT_MIN | (0,255) | 10 | 10 |
| CONTRAST_MAX | (0,255) | 50 | 50 |
| CONTRAST_MIN | (0,255) | 0 | 0 |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

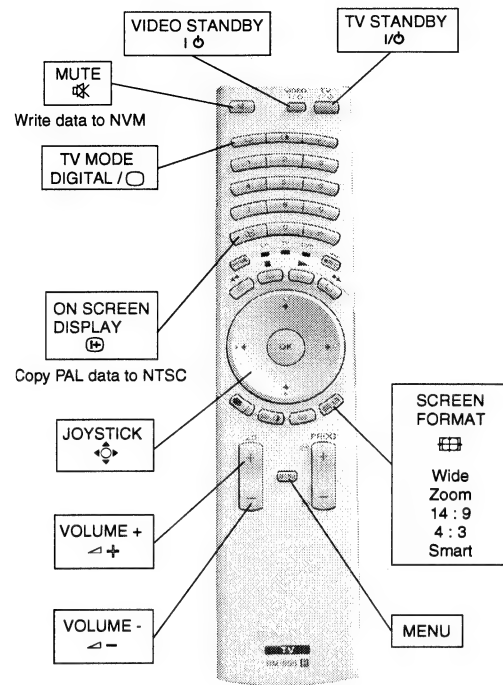
| | | | |
|---|--|--|---|
| Audio | | | |
| BBE OFF mode | | | ▶ |
| BBE Natural/V.Dolby offsets | | | |
| BBE Dynamic offsets | | | |
| BBE Cinema offsets | | | |
| Subwoofer level adjustments | | | |
| Audio detection thresholds | | | |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|---|-----------|---------|-------|
| BBE OFF mode | | | |
| Description | (min,max) | Default | Value |
| SW_FREQ_OFF | (5,40) | 20 | 20 ▶ |
| BAND1_OFF_OFFSET | (-96,96) | 0 | 0 |
| BAND2_OFF_OFFSET | (-96,96) | 0 | 0 |
| BAND3_OFF_OFFSET | (-96,96) | 0 | 0 |
| BAND4_OFF_OFFSET | (-96,96) | 0 | 0 |
| BAND5_OFF_OFFSET | (-96,96) | 0 | 0 |
| BBE_LOUDNESS_OFF | (0,68) | 0 | 0 |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | | |
|--|--|--|---|
| Design | | | |
| CXA2149 - AVSwitch Device | | | ▶ |
| MSP3411 - Sound Processor Device | | | |
| TDA988x - IF Device | | | |
| TUA60xx - PLL Device | | | |
| VSP9427 - Video Processor Device | | | |
| CXA2019 - Chroma Decoder | | | |
| CXD3804 - 3D Comb Filter | | | |
| DPS9450A - Digital Processor and Scaler Device | | | |
| CXD9671GG - Digital Gamma Device | | | |
| CXA7001R - LCD Driver Device | | | |
| Select: ▲ ▼ Select Item: ▶ Previous Menu: ◀ | | | |

| | | |
|------------------------------|-----------------|-------|
| Error monitor | | |
| WORKING TIME: | (Hours:Minutes) | 82:33 |
| Error counters: | | |
| E02: LAMP COV | | 45 |
| E03: LAMP PROT | | 8 |
| E04: FAN PROT | | 55 |
| E05: TEMP PROT | | 0 |
| E06: IIC | | 0 |
| E07: NVM | | 0 |
| E09: TUNER | | 2 |
| E10: SOUND | | 0 |
| E12: SCANRATE | | 4 |
| E14: BACKEND | | 2 |
| E17: AVSWITCH | | 10 |
| E22: DIGITAL GAMMA | | 3 |
| E23: LCD Drivers | | 6 |
| E24: SPEAKER PROT | | 0 |
| Select: ▲ ▼ Previous Menu: ◀ | | |

4-1-5. Operation Method for Adjustments



1. Functions of Keys on Commander

- **▲ ▼ ◀ ▶**: Changes data value. (up or down)
: Marker moves up, down, or to the left or right.
(in fine adjustment mode)
- **(OK)**: Switches marker moving method.
(in fine adjustment mode)
joystick (▲, ▼, ◀, ▶) keys → ① and ④ buttons

4-2. Screen Center Adjustment

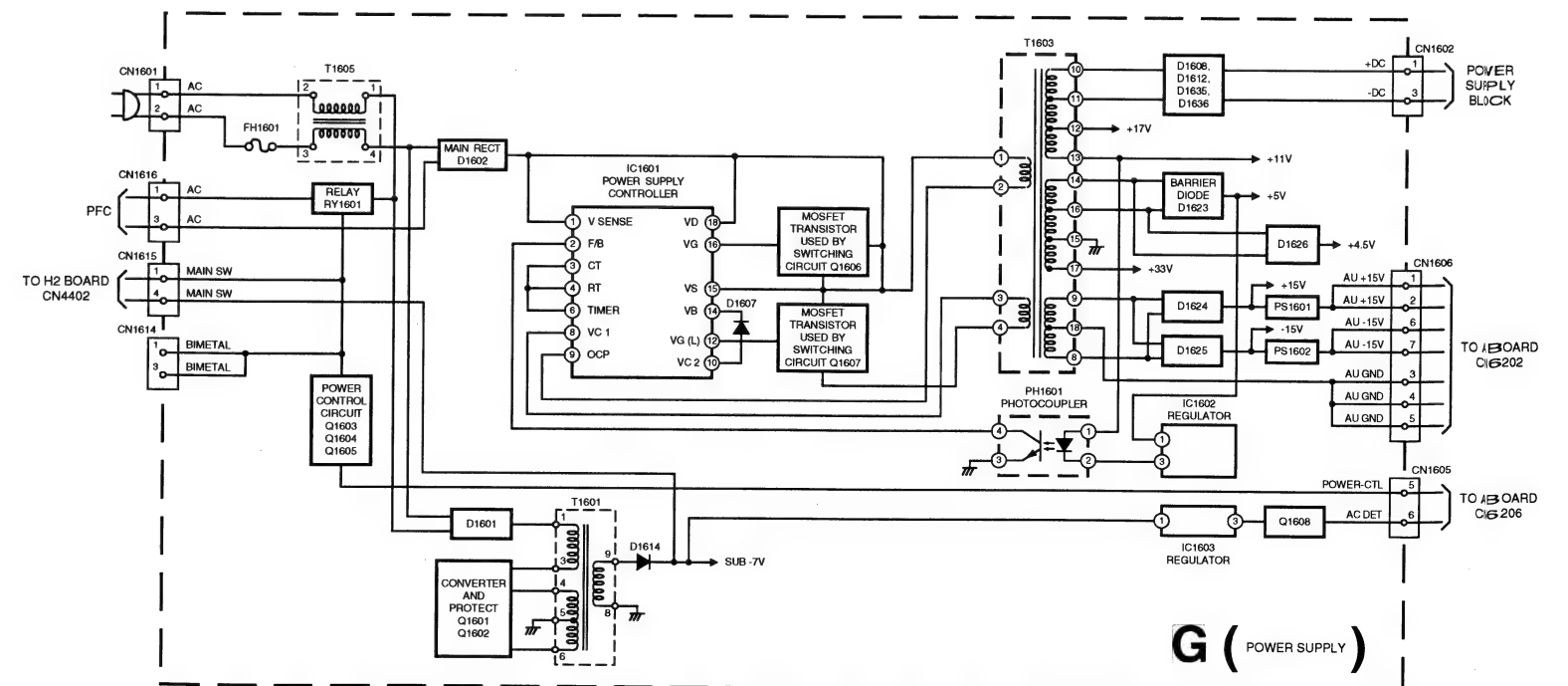
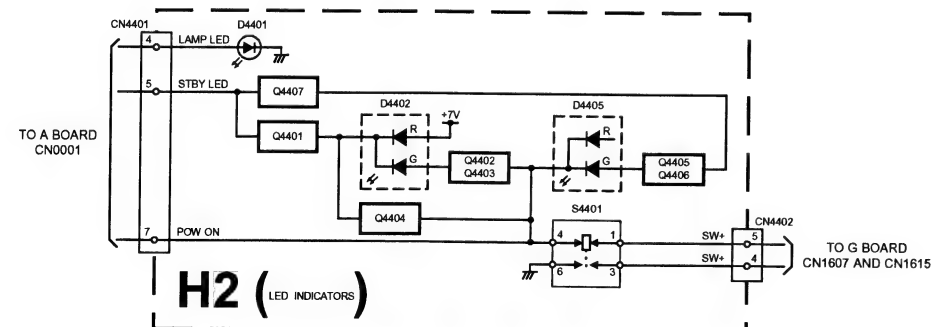
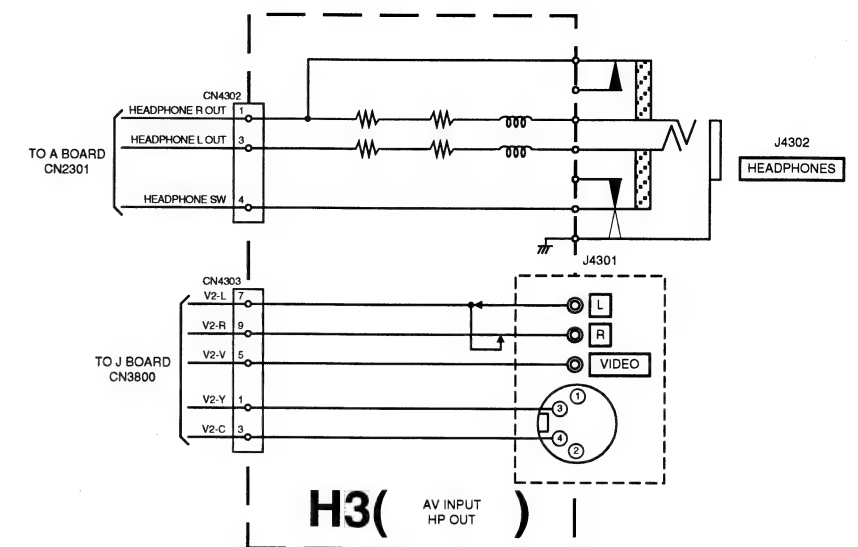
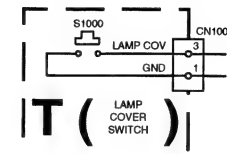
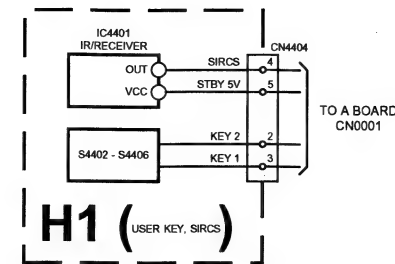
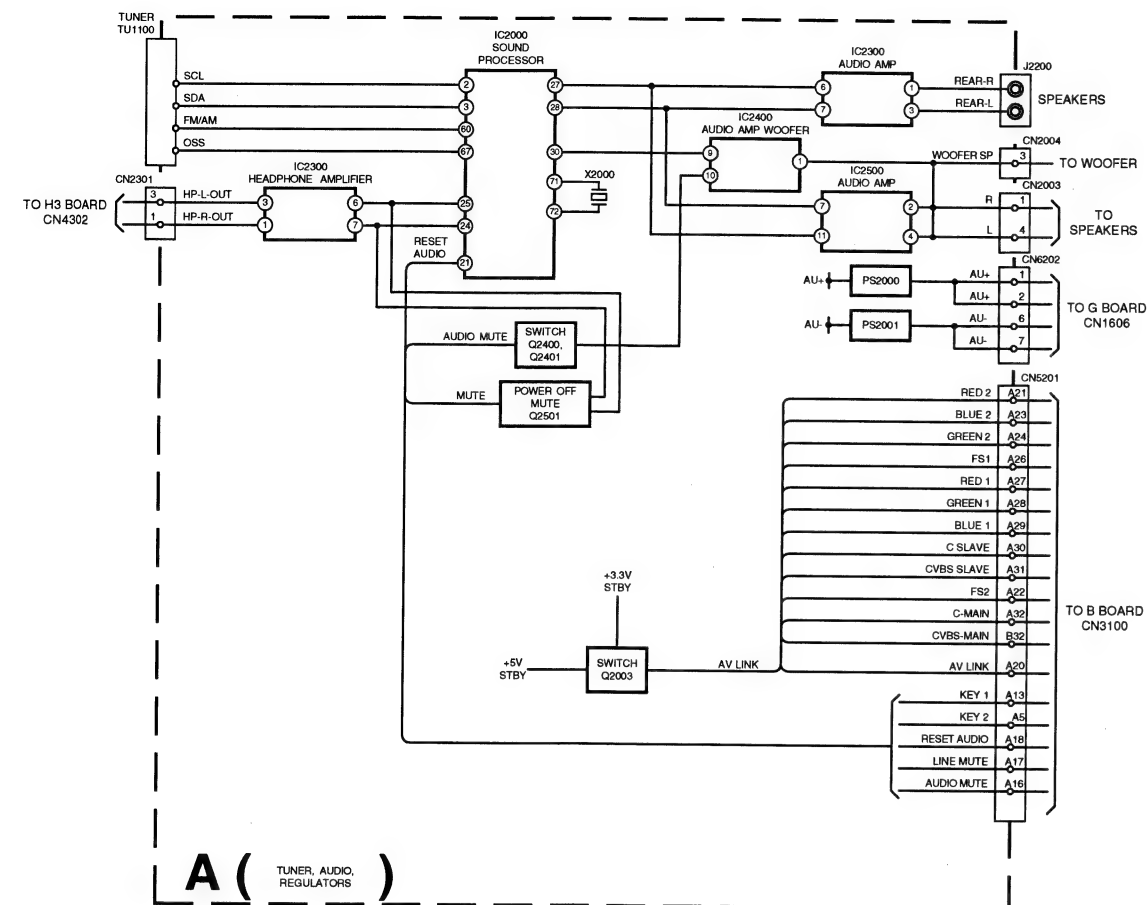
1. Input a monoscope PAL signal in wide mode.
2. Go into the Service mode; Display adjustment.
3. For Horizontal adjustment; modify to centre left-right.
4. For Vertical adjustment; modify to centre up-down.
5. Display PC input with XGA 60Hz resolution.
6. Check picture is not hidden on the top.

4-3. TEST-TEST MODE

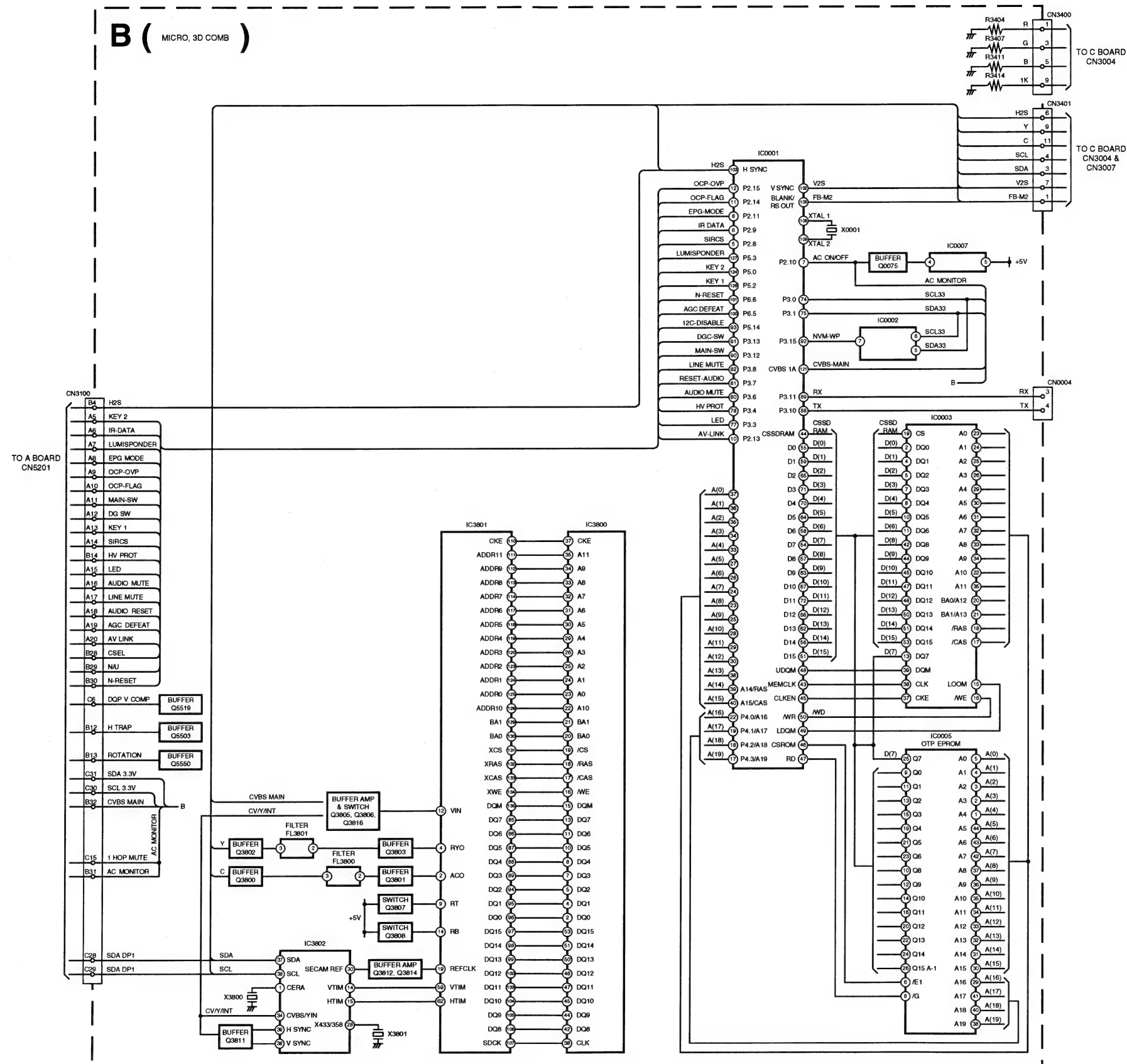
Is available by programming the Remote Commander for operation in Service Mode [As shown on Page 27] then pressing the VIDEO button twice, OSD 'TT' appears. The functions describe below are available by selecting the two numbers. To release 'Test Test Mode', press 00, or switch the TV into Stand-by mode.

| | |
|----|---------------------------------------|
| 00 | 'TT' mode off |
| 01 | Set picture level to maximum |
| 02 | Set picture level to minimum |
| 03 | Set Volume to 35% |
| 04 | Set Volume to 50% |
| 05 | Set Volume to 65% |
| 06 | Set Volume to 80% |
| 07 | Ageing mode on |
| 08 | Shipping Condition |
| 11 | Sub Picture adjustment |
| 12 | Sub Colour adjustment |
| 13 | Sub Brightness adjustment |
| 15 | Rotation coil test |
| 16 | Picture level 50% |
| 19 | Factory Mode Enable/Disable |
| 21 | Destination ADEKR |
| 22 | Destination BL |
| 24 | Destination U |
| 31 | Inches selection (50/60 inches) |
| 32 | Memory Stick enable flag |
| 33 | Hor-Ver LCD adjustment |
| 34 | RPJ selector flag |
| 35 | Wide model selection |
| 36 | VM off/on test |
| 39 | Direct access to auto tuning |
| 42 | Subwoofer test |
| 43 | Select Dual A sound |
| 44 | Select Dual B sound |
| 45 | Select Mono sound |
| 46 | Select Stereo sound |
| 49 | Set NVM as virgin |
| 53 | FM Overmodulation enable/disable |
| 58 | Memory Stick test |
| 62 | AM from baseband enable/disable |
| 73 | Enable Zweiton D/K2 system (6.5/6.74) |
| 74 | Enable Zweiton D/K3 system (6.5/6.74) |
| 78 | Balance full left |
| 79 | Balance full right |
| 87 | Local keys test |
| 91 | Set 14:9 zoom mode |
| 93 | Set 16:9 zoom mode |
| 94 | Set ZOOM zoom mode |
| 95 | Set 4:3 zoom mode |
| 96 | Set Smart zoom mode (for FX66) |
| 99 | Display Error and Working Time menu |

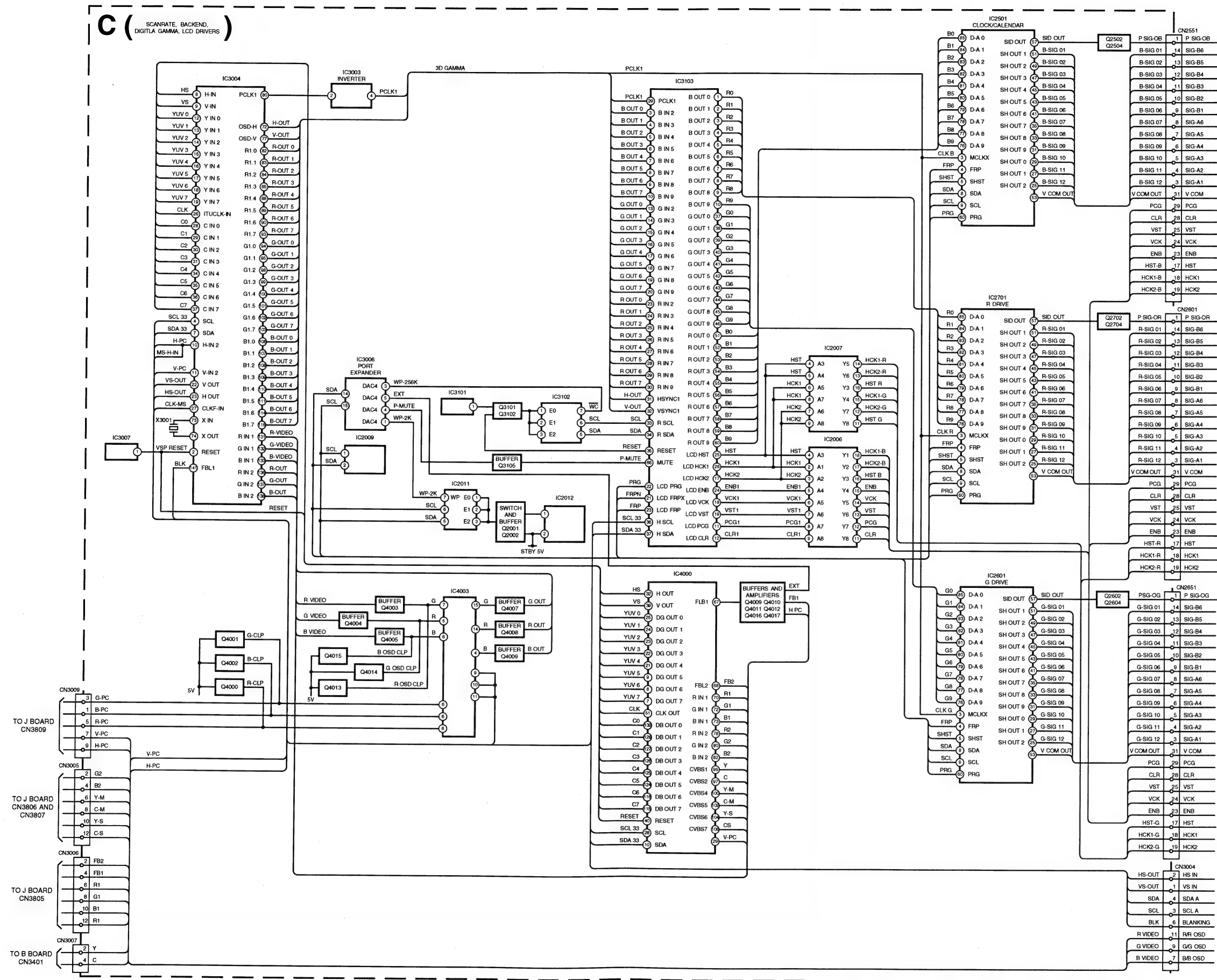
5-1. BLOCK DIAGRAMS (1)



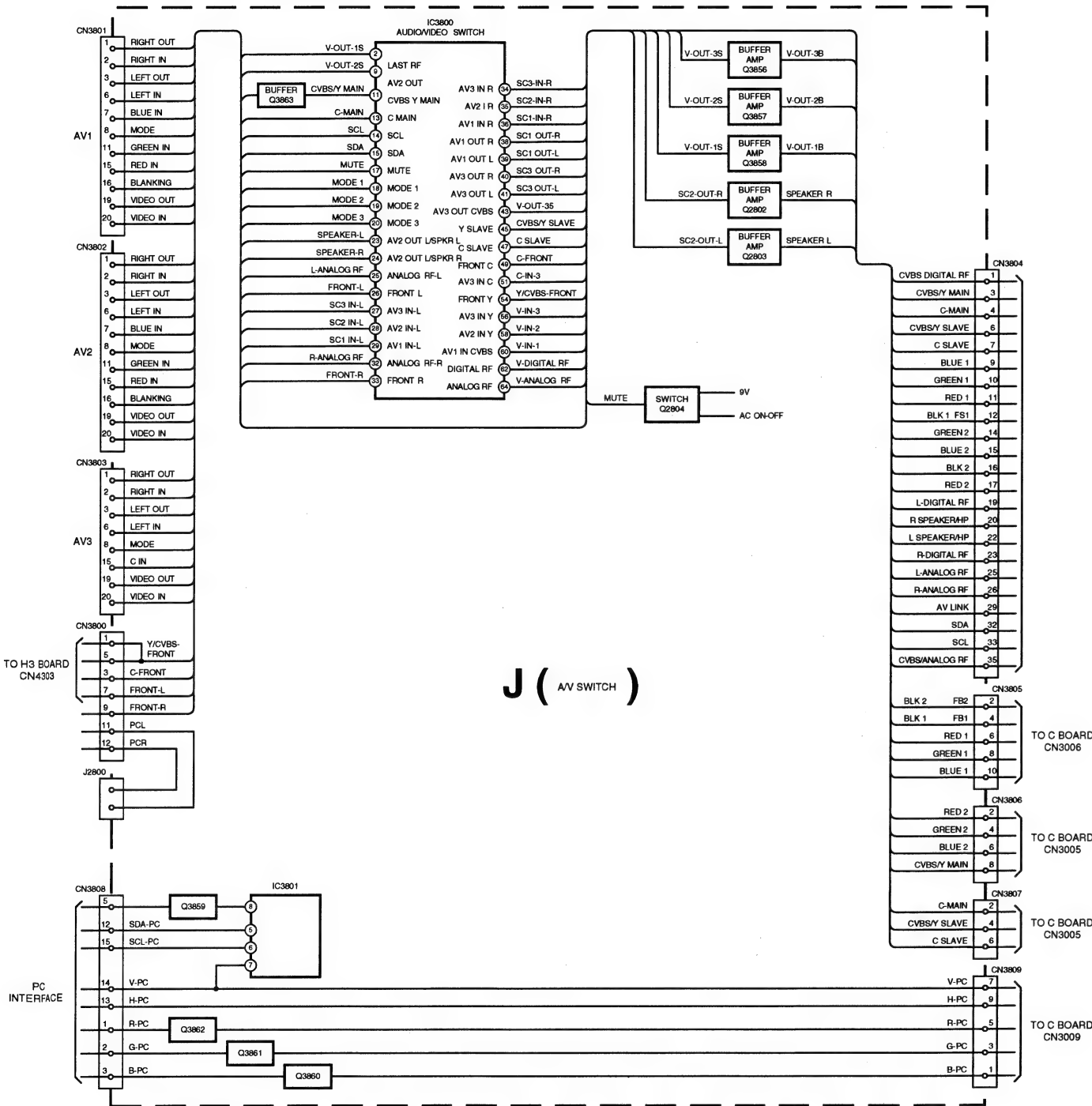
5-1. BLOCK DIAGRAMS (2)



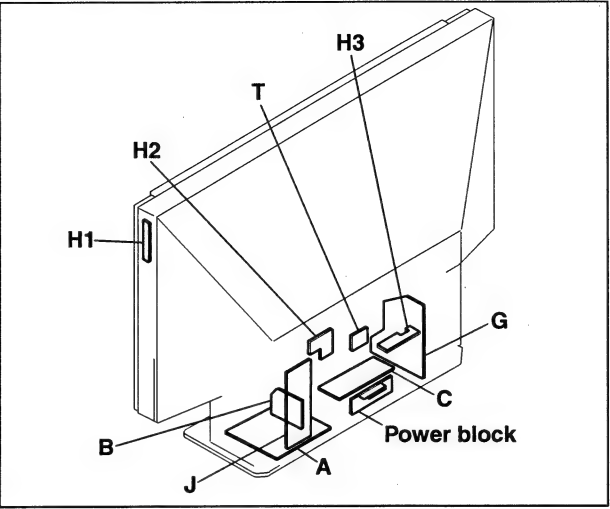
5-1. BLOCK DIAGRAMS (3)



5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

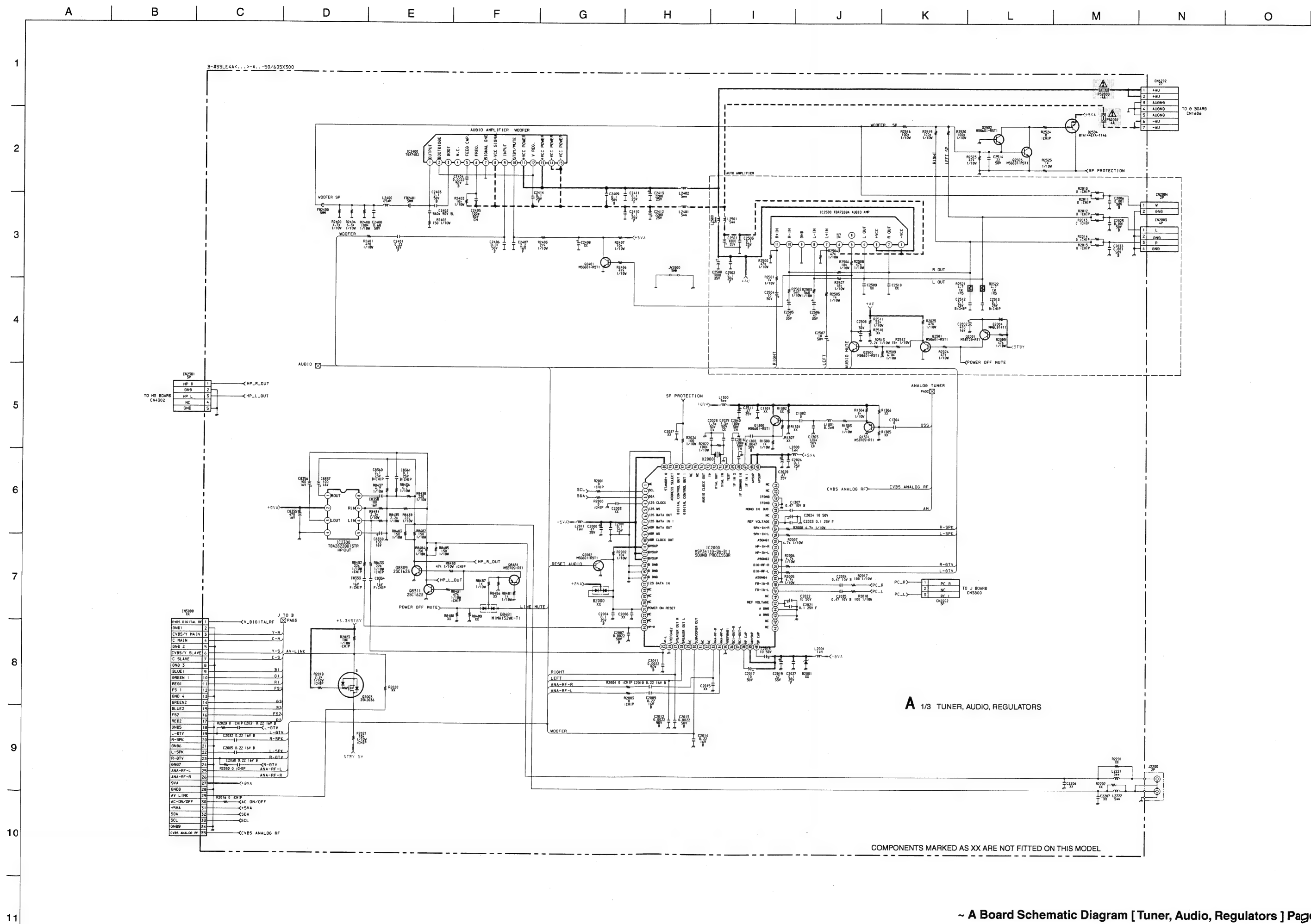
- Note :**
- All capacitors are in μF unless otherwise noted.
 - pF : μF 50WV or less are not indicated except for electrolytic types.
 - Indication of resistance, which does not have one for rating electrical power, is as follows.
- Pitch : 5mm
Electrical power rating : 1/4W
- Chip resistors are 1/10W
 - All resistors are in ohms.
 $k = 1000$ ohms, $M = 1000,000$ ohms
- : nonflammable resistor.
 - : fusible resistor.
 - : internal component.
 - : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - All voltages are in Volts.
 - Readings are taken with a 10Mohm digital mutimeter.
 - Readings are taken with a color bar input signal.
 - Voltage variations may be noted due to normal production tolerances.
- : B + bus.
 - : B - bus.
 - : RF signal path.
 - : earth - ground.
 - : earth - chassis.

Reference Information

| | | |
|-----------|-------|-----------------------------|
| RESISTOR | RN | : METAL FILM |
| | RC | : SOLID |
| | FPRD | : NON FLAMMABLE CARBON |
| | FUSE | : NON FLAMMABLE FUSIBLE |
| | RS | : NON FLAMMABLE METAL OXIDE |
| | RB | : NON FLAMMABLE CEMENT |
| | RW | : NON FLAMMABLE WIREWOUND |
| | | : ADJUSTMENT RESISTOR |
| COIL | LF-8L | : MICRO INDUCTOR |
| CAPACITOR | TA | : TANTALUM |
| | PS | : STYROL |
| | PP | : POLYPROPYLENE |
| | PT | : MYLAR |
| | MPS | : METALIZED POLYESTER |
| | MPP | : METALIZED POLYPROPYLENE |
| | ALB | : BIPOLAR |
| | ALT | : HIGH TEMPERATURE |
| | ALR | : HIGH RIPPLE |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.









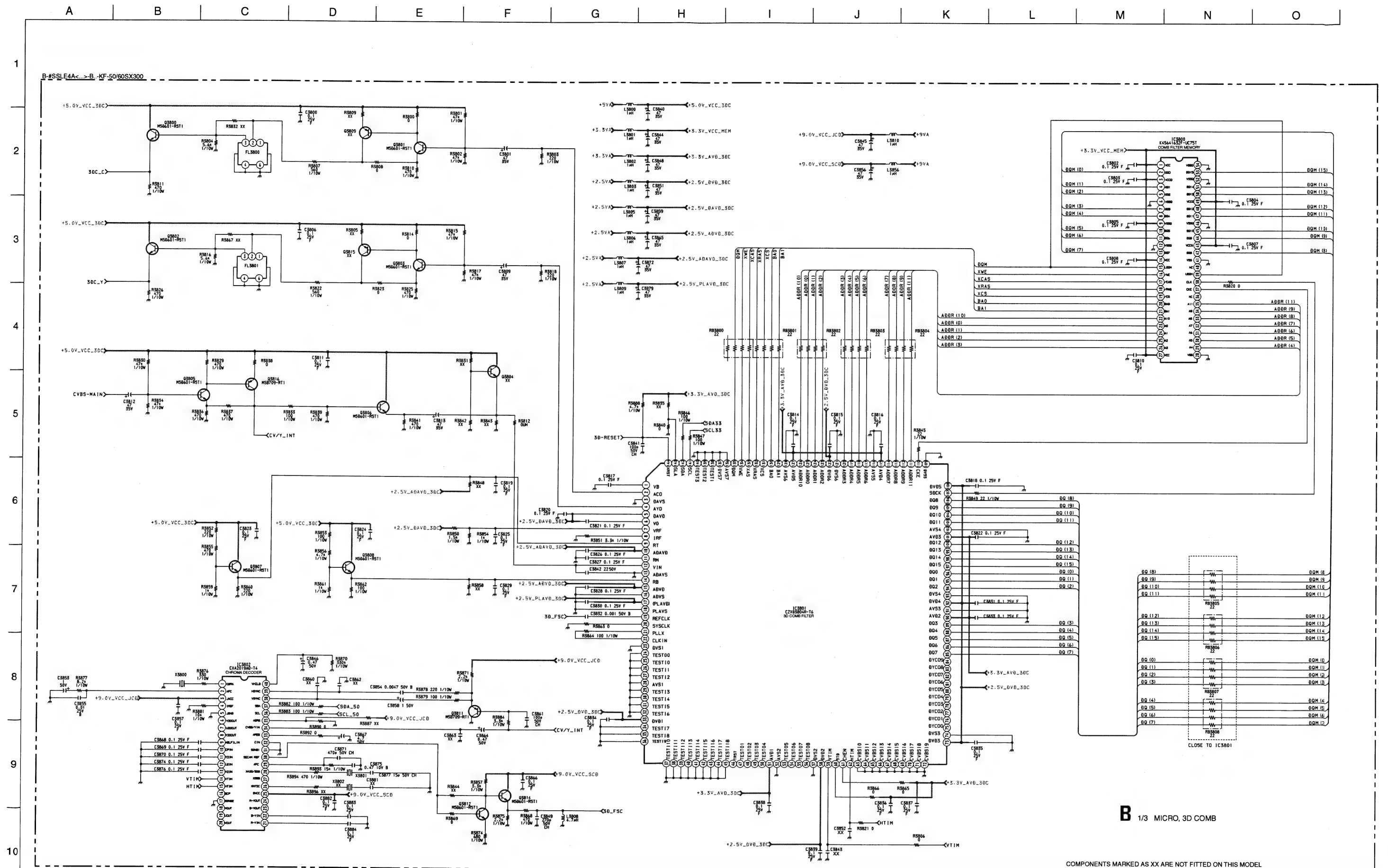
| DIODE | | IC6210 | C - 3 |
|-----------|--------|-------------------|-------|
| D0200 | I - 7 | IC6211 | B - 7 |
| D1906 | G - 3 | IC6212 | B - 8 |
| D1918 | F - 2 | IC6213 | B - 4 |
| D2004 | E - 5 | TRANSISTOR | |
| D6200 | C - 8 | Q0200 | I - 6 |
| D6201 | C - 9 | Q1300 | J - 4 |
| D6202 | D - 9 | Q1301 | I - 2 |
| D6203 | I - 9 | Q1912 | G - 3 |
| D6204 | C - 4 | Q1913 | F - 3 |
| D6205 | C - 7 | Q2001 | E - 5 |
| D6206 | B - 5 | Q2002 | F - 5 |
| D6207 | F - 2 | Q2003 | H - 5 |
| D6208 | G - 3 | Q2401 | C - 5 |
| D6209 | H - 2 | Q2500 | E - 4 |
| D6210 | F - 3 | Q2501 | E - 4 |
| IC | | Q2502 | E - 5 |
| IC1000 | G - 3 | Q2503 | E - 5 |
| IC2000 | J - 4 | Q2504 | F - 5 |
| IC2300 | G - 4 | Q6201 | C - 2 |
| IC2400 | D - 4 | Q6202 | C - 2 |
| IC2500 | F - 3 | Q6203 | D - 2 |
| IC6200 | B - 3 | Q6204 | C - 7 |
| IC6201 | H - 9 | Q6205 | B - 3 |
| IC6202 | G - 10 | Q6206 | B - 6 |
| IC6203 | B - 6 | Q6207 | C - 7 |
| IC6204 | I - 9 | Q6208 | C - 7 |
| IC6205 | B - 2 | Q6209 | F - 2 |
| IC6206 | C - 8 | Q8001 | J - 3 |
| IC6207 | B - 9 | Q8309 | H - 5 |
| IC6208 | D - 9 | Q8311 | G - 5 |
| IC6209 | E - 9 | Q8481 | G - 4 |

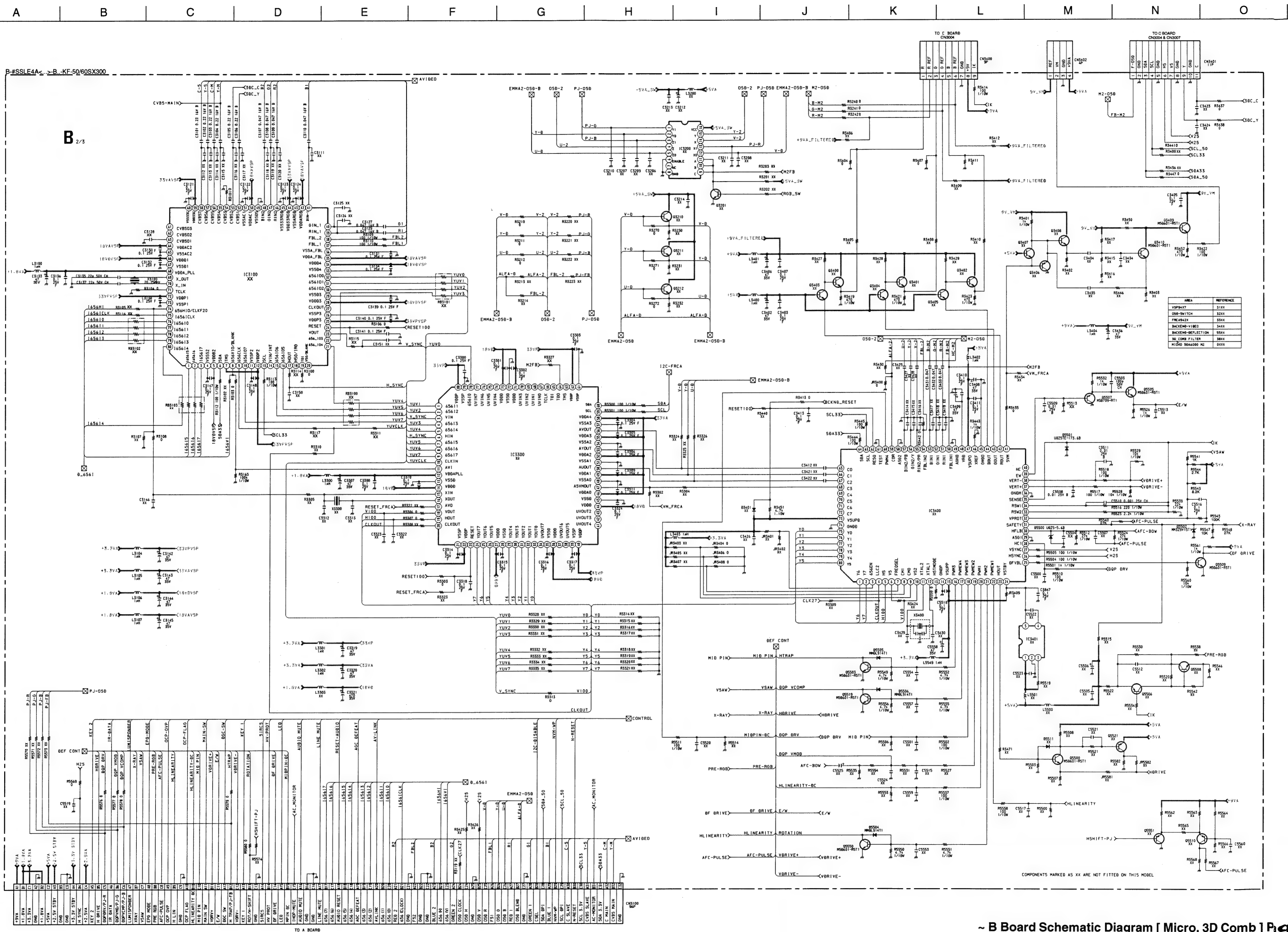
~ A Board Semiconductor Voltage Table ~

| Ref | (e)(s) | (b)(g) | (c)(d) | Ref | (e)(s) | (b)(g) | (c)(d) |
|-------|--------|--------|--------|-------|--------|--------|--------|
| Q1300 | 2.7 | 2.1 | 8.4 | Q2501 | 0 | 0.6 | 0 |
| Q1301 | 2.1 | 2.1 | 0 | Q2502 | 0 | 0 | 5.0 |
| Q2401 | 0 | 0 | 4.7 | Q2503 | 0 | 0 | 5.0 |
| Q2500 | 0.1 | 0.1 | 0.6 | Q2504 | 5.0 | 5.0 | 0 |
| Q2500 | 0.1 | 0.1 | 0.6 | Q2504 | 5.0 | 5.0 | 0 |

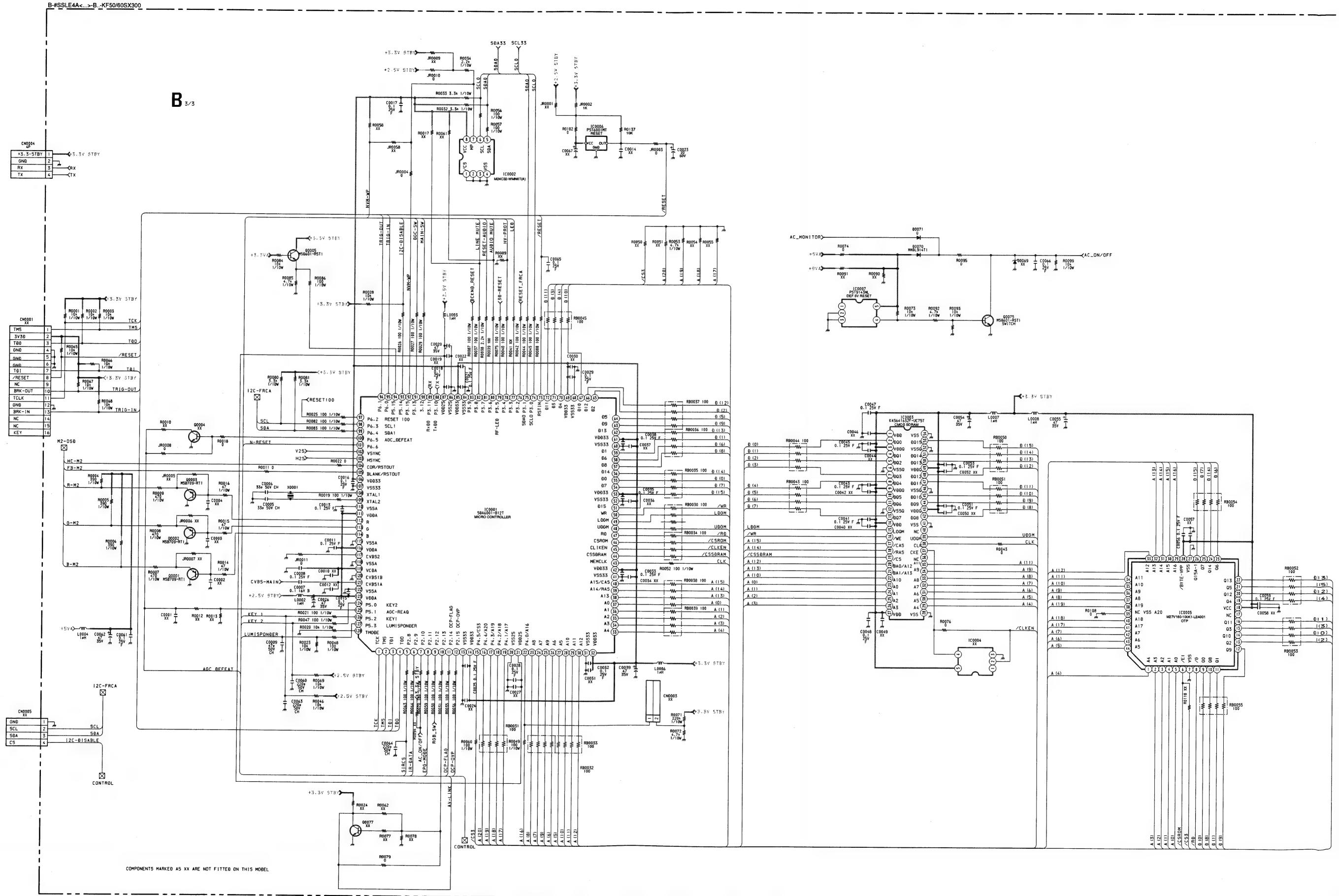
~ A Board IC Voltage Table ~

| IC Voltage Table | | | IC Voltage Table | | | IC Voltage Table | | | IC Voltage Table | | |
|------------------|--------|-------------|------------------|--------|-------------|------------------|--------|-------------|------------------|--------|-------------|
| Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) |
| IC2300 | 1 | 4.0 | IC2300 | 8 | 0.5 | IC2400 | 6 | -13.2 | IC2500 | 7 | 0 |
| | 3 | 4.0 | | IC2400 | 10 | | 3.9 | 8 | | 0 | |
| | 5 | 0.5 | | | IC2400 | | 12 | -4.0 | | 9 | 0 |
| | 6 | 0 | | IC2500 | | 2 | 0 | 10 | | 0 | |
| | 7 | 0 | | | IC2500 | 5 | 0.9 | 11 | | 0 | |

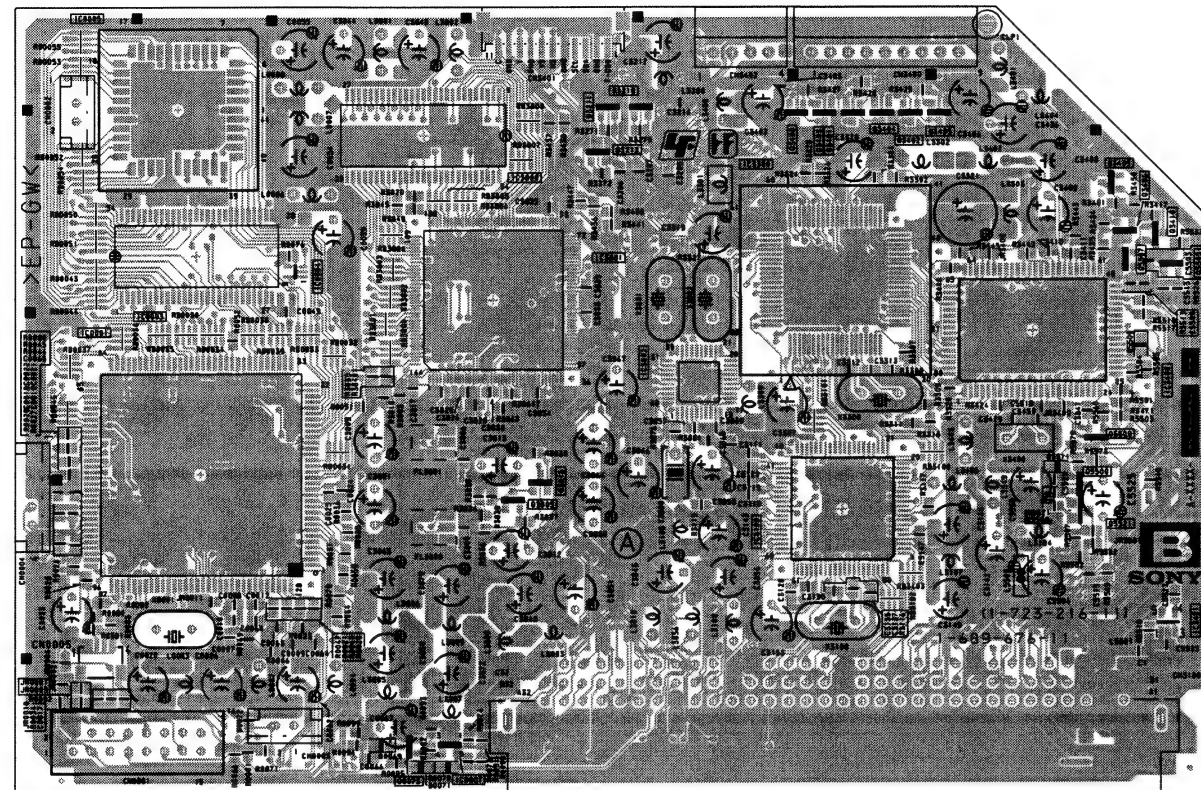




~ B Board Schematic Diagram [Micro, 3D Comb] Page 2/3 ~



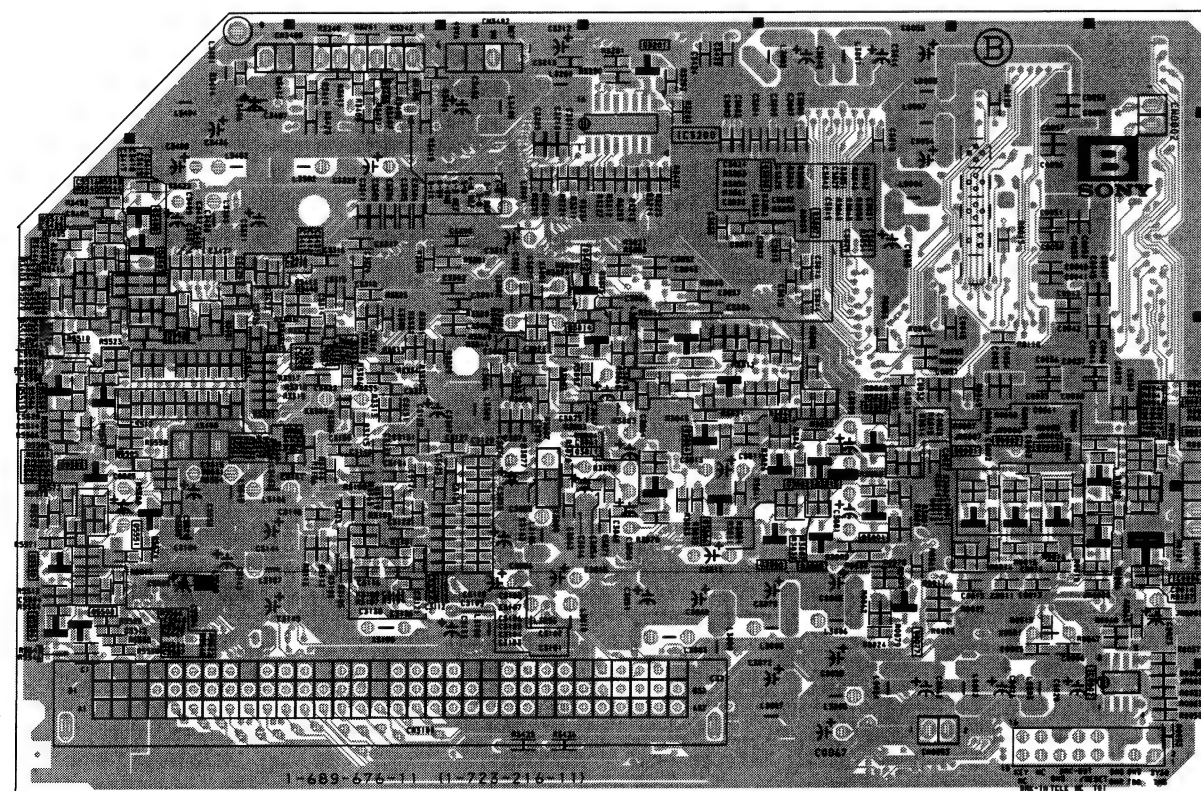
~ B Printed Wiring Board Conductor Side A ~



~ B Board Semiconductor Location Table (A Side) ~

| DIODE | |
|------------|-------|
| D5500 | G - 3 |
| IC | |
| IC0001 | B - 3 |
| IC0003 | B - 3 |
| IC0005 | B - 1 |
| IC3800 | D - 2 |
| IC3801 | D - 3 |
| IC3802 | E - 3 |
| TRANSISTOR | |
| Q0075 | C - 5 |
| Q3409 | G - 2 |
| Q3410 | H - 3 |
| Q3805 | D - 4 |
| Q3816 | D - 4 |
| Q5500 | G - 4 |
| Q5507 | H - 3 |
| Q5509 | G - 3 |

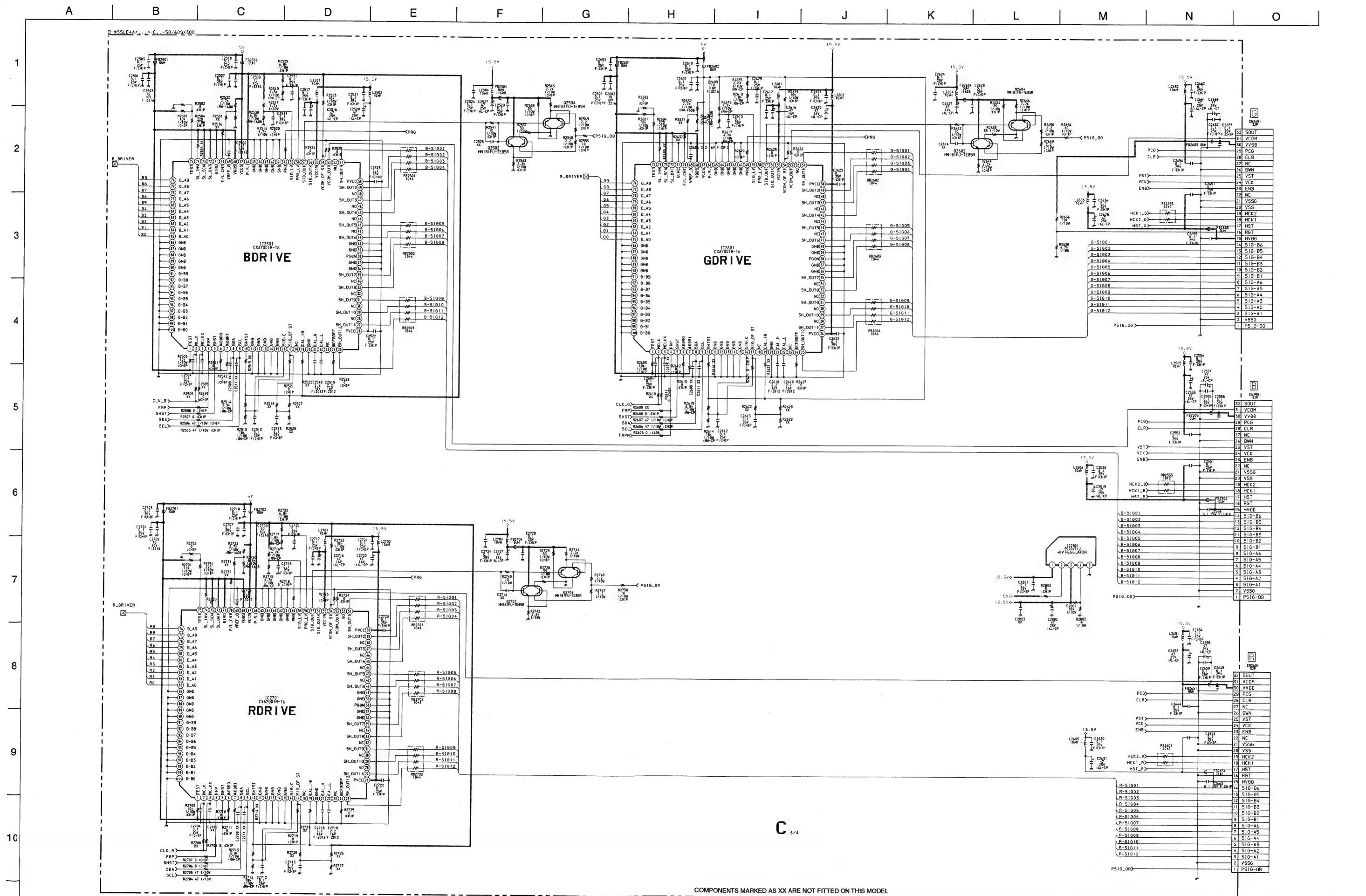
~ B Printed Wiring Board Conductor Side B ~



~ B Board Semiconductor Location Table (B Side) ~

| DIODE | |
|------------|--------|
| D5502 | B - 8 |
| IC | |
| IC0002 | G - 10 |
| IC0006 | H - 10 |
| TRANSISTOR | |
| Q0001 | F - 9 |
| Q0002 | F - 9 |
| Q0003 | G - 9 |
| Q3800 | E - 9 |
| Q3801 | F - 9 |
| Q3802 | E - 9 |
| Q3803 | F - 9 |
| Q3806 | E - 9 |
| Q3811 | D - 9 |
| Q3812 | D - 8 |
| Q3814 | D - 8 |
| Q5503 | B - 9 |

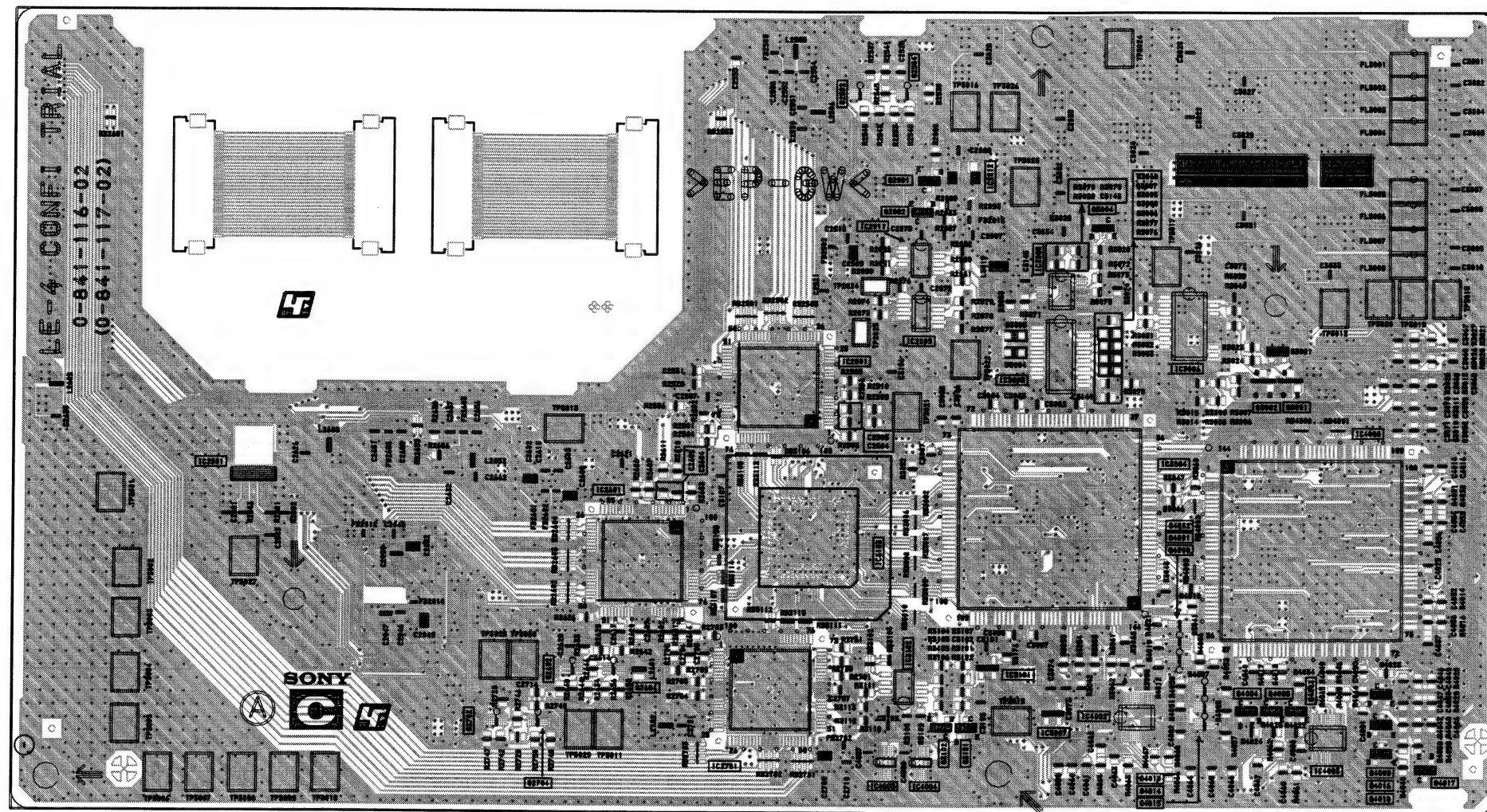




C 3/4

A B C D E F G H I J K L M N O

~ C Printed Wiring Board Conductor Side A ~

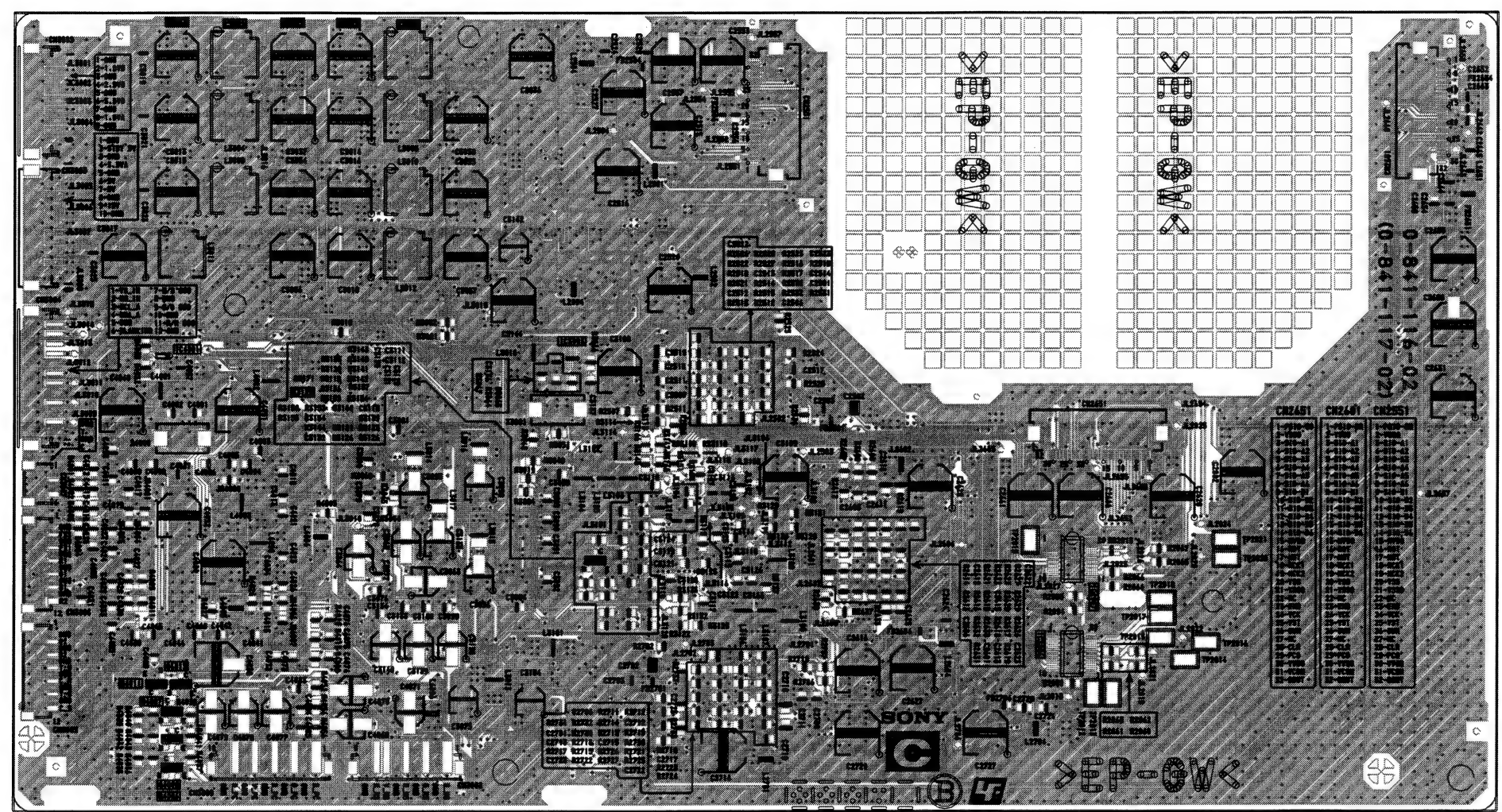


~ C Board Location Table (A Side) ~

| IC | | Q2002 | G - 4 |
|------------|-------|-------|-------|
| IC2009 | G - 5 | Q2502 | G - 3 |
| IC2011 | G - 4 | Q2504 | G - 3 |
| IC2012 | H - 4 | Q2602 | E - 7 |
| IC2501 | F - 5 | Q2604 | E - 7 |
| IC2601 | E - 6 | Q2702 | D - 7 |
| IC2701 | F - 8 | Q2704 | D - 8 |
| IC2801 | C - 6 | Q3001 | J - 5 |
| IC3003 | H - 5 | Q3002 | J - 5 |
| IC3004 | I - 6 | Q3004 | H - 4 |
| IC3005 | H - 5 | Q3101 | G - 8 |
| IC3006 | I - 5 | Q3102 | G - 8 |
| IC3007 | H - 7 | Q4000 | I - 6 |
| IC3008 | H - 4 | Q4001 | I - 6 |
| IC3101 | H - 7 | Q4002 | I - 6 |
| IC3102 | G - 7 | Q4003 | J - 7 |
| IC3103 | G - 6 | Q4004 | I - 7 |
| IC4000 | J - 5 | Q4005 | J - 7 |
| IC4003 | J - 8 | Q4009 | J - 8 |
| TRANSISTOR | | Q4010 | J - 8 |
| Q2001 | G - 4 | Q4016 | J - 8 |

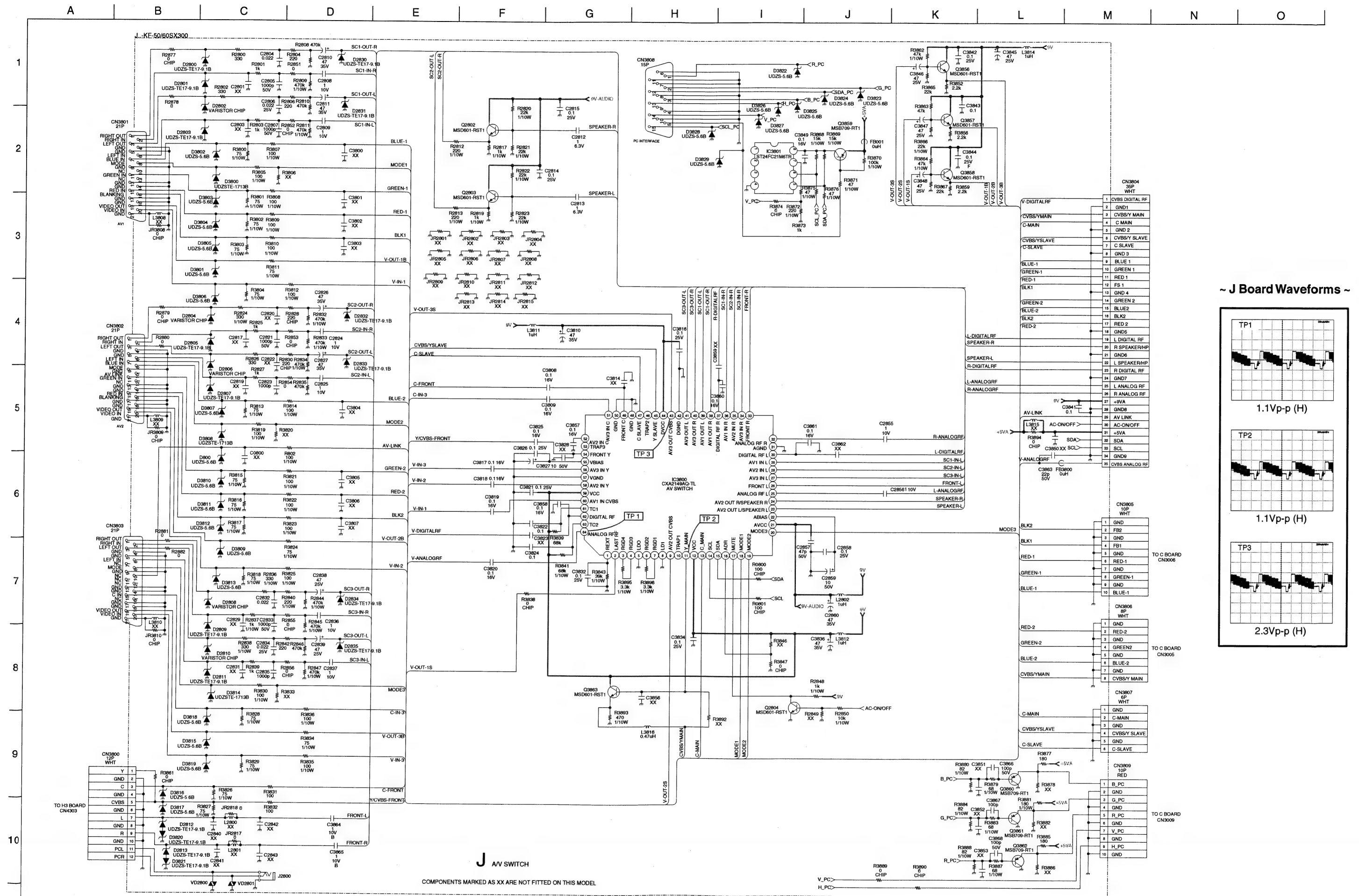
A B C D E F G H I J K L M N O

~ C Printed Wiring Board Conductor Side B ~

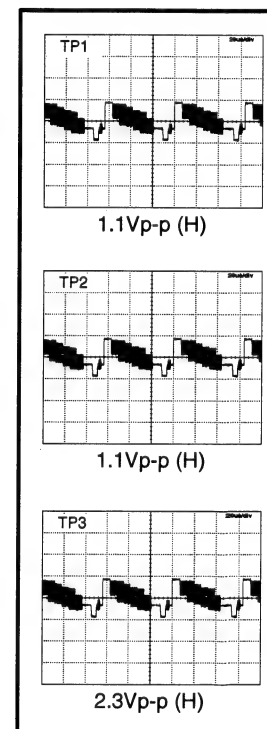


~ C Board Location Table (B Side) ~

| IC | |
|------------|-------|
| IC2006 | H - 6 |
| IC2007 | H - 6 |
| IC3003 | E - 4 |
| TRANSISTOR | |
| Q3105 | C - 5 |
| Q4006 | B - 7 |
| Q4007 | B - 7 |
| Q4008 | B - 7 |
| Q4011 | B - 7 |
| Q4012 | B - 7 |

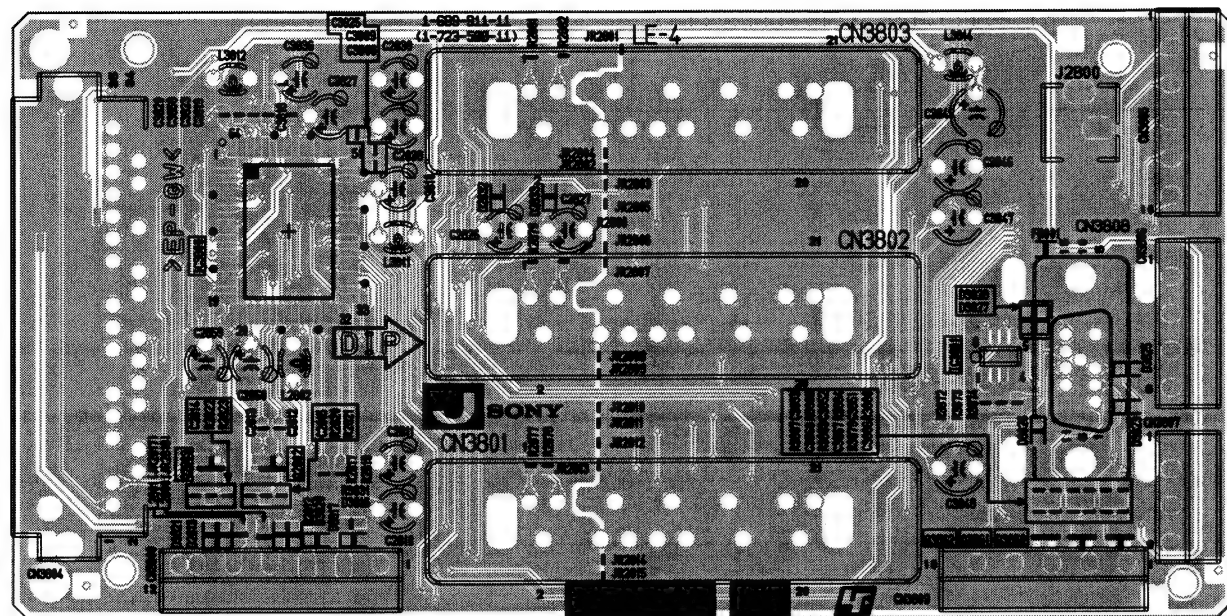


~ J Board Waveforms ~



~ J Board Schematic Diagram [AV Switch] ~

~ J Printed Wiring Board Conductor Side A ~



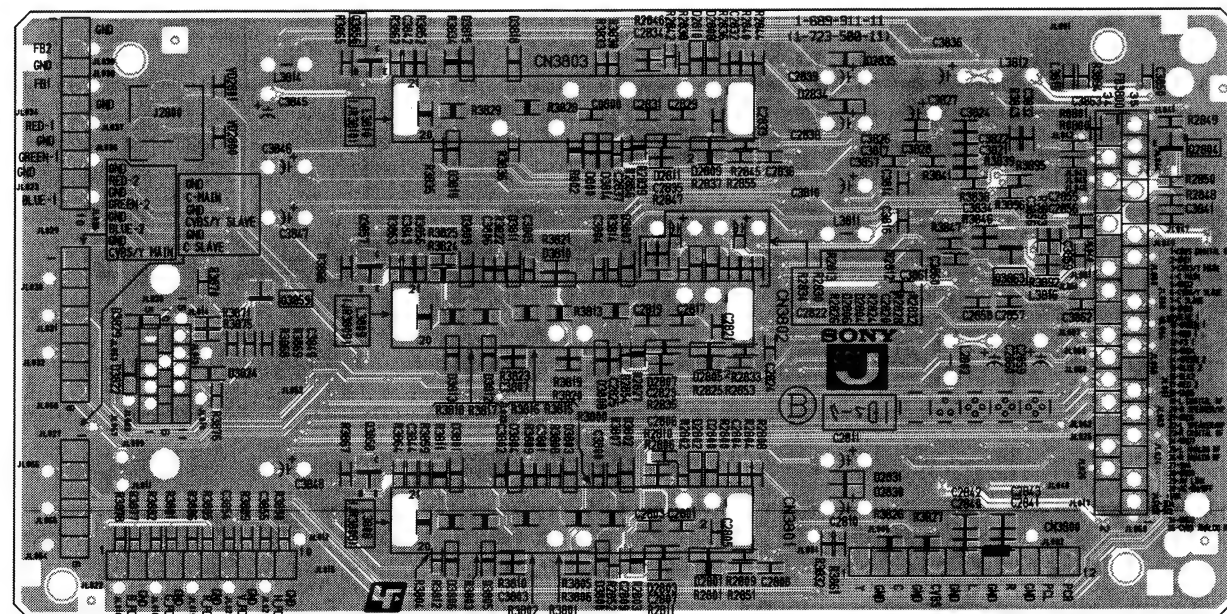
~ J Board Location Table (A Side) ~

| DIODE | |
|------------|-------|
| D2812 | C - 4 |
| D2813 | B - 4 |
| D2832 | D - 3 |
| D2833 | D - 3 |
| D3817 | C - 4 |
| D3820 | C - 4 |
| D3821 | B - 4 |
| D3823 | G - 4 |
| D3825 | G - 3 |
| D3826 | G - 4 |
| D3827 | G - 3 |
| D3828 | G - 3 |
| IC | |
| IC3800 | B - 3 |
| IC3801 | G - 3 |
| TRANSISTOR | |
| Q2802 | C - 4 |
| Q2803 | B - 4 |
| Q3860 | G - 4 |
| Q3861 | F - 4 |
| Q3862 | F - 4 |

~ J Board IC Voltage Table ~

| IC Voltage Table | | | IC Voltage Table | | |
|------------------|--------|-------------|------------------|--------|-------------|
| Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) |
| IC3800 | 1 | 1.9 | IC3800 | 32 | 4.4 |
| | 3 | 4.5 | | 33 | 4.4 |
| | 4 | 4.5 | | 34 | 4.4 |
| | 5 | 0.1 | | 35 | 4.4 |
| | 6 | 4.3 | | 36 | 4.4 |
| | 7 | 4.3 | | 37 | 4.4 |
| | 8 | 0.1 | | 38 | 4.4 |
| | 9 | 4.6 | | 39 | 4.4 |
| | 11 | 3.9 | | 40 | 4.4 |
| | 13 | 4.5 | | 41 | 4.4 |
| | 14 | 4.8 | | 43 | 4.7 |
| | 15 | 4.8 | | 45 | 4.4 |
| | 16 | 8.9 | | 47 | 4.5 |
| | 18 | 0.1 | | 49 | 4.5 |
| | 19 | 0 | | 51 | 4.5 |
| | 20 | 0 | | 52 | 4.5 |
| | 22 | 4.5 | | 54 | 4.1 |
| | 23 | 4.5 | | 55 | 4.5 |
| | 24 | 4.5 | | 56 | 3.1 |
| | 25 | 4.5 | | 58 | 4.1 |
| | 26 | 4.4 | | 60 | 4.1 |
| | 27 | 4.4 | | 61 | 5.1 |
| | 28 | 4.4 | | 62 | 5.0 |
| | 29 | 4.4 | | 63 | 4.8 |
| | 30 | 4.4 | | 64 | 4.5 |

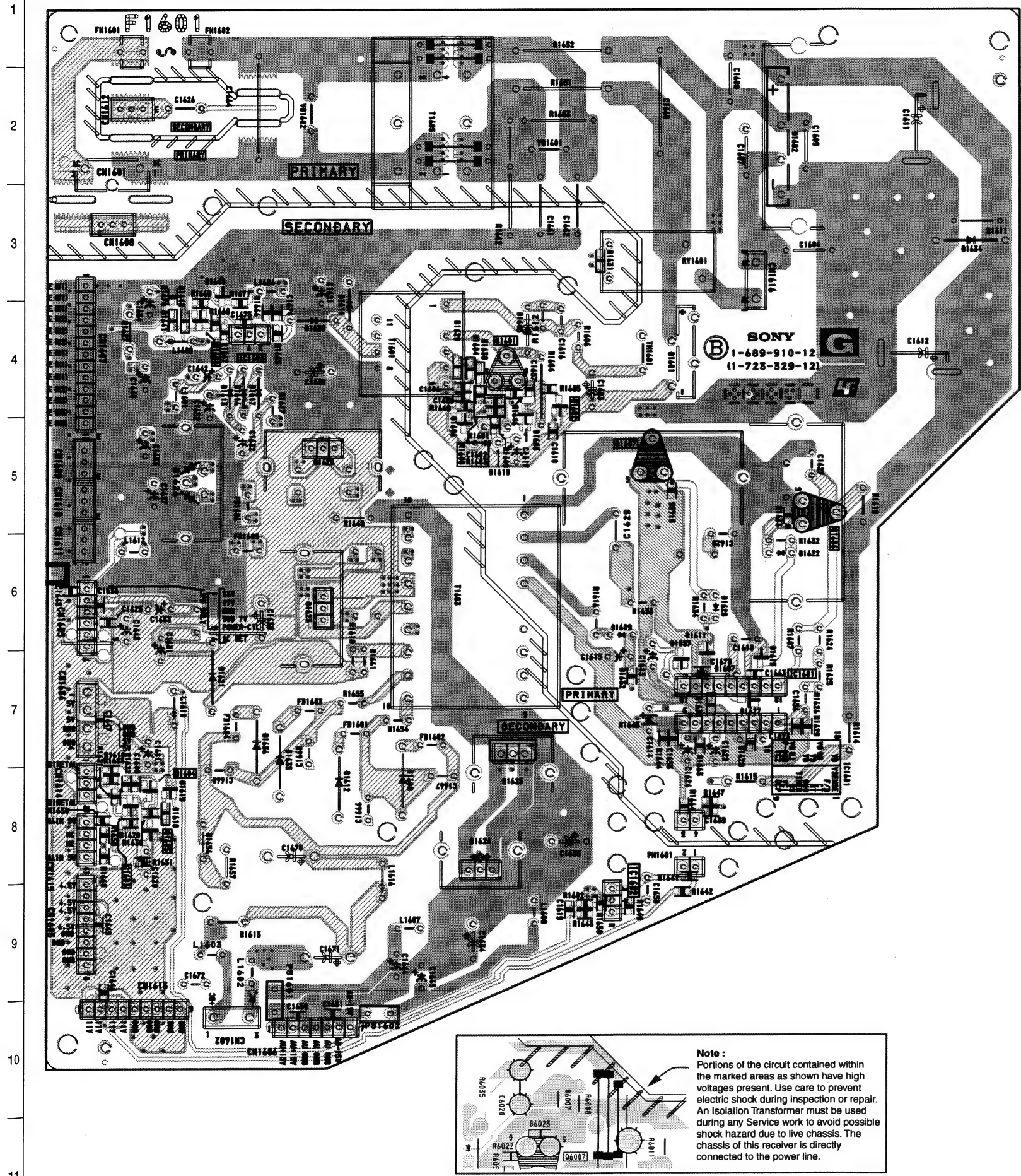
~ J Printed Wiring Board Conductor Side B ~



~ J Board Location Table (B Side) ~

| DIODE | | D3806 | C - 10 |
|-------|--------|------------|--------|
| D800 | D - 8 | D3807 | D - 8 |
| D2800 | E - 9 | D3808 | D - 9 |
| D2801 | D - 10 | D3809 | D - 8 |
| D2802 | E - 9 | D3810 | D - 8 |
| D2803 | D - 10 | D3811 | D - 8 |
| D2804 | E - 8 | D3812 | D - 9 |
| D2805 | E - 9 | D3813 | C - 9 |
| D2806 | E - 8 | D3814 | D - 8 |
| D2807 | E - 9 | D3815 | C - 7 |
| D2808 | D - 7 | D3818 | D - 7 |
| D2809 | D - 7 | D3819 | C - 8 |
| D2810 | D - 7 | D3822 | B - 9 |
| D2811 | D - 8 | D3824 | B - 9 |
| D2830 | F - 9 | D3829 | B - 8 |
| D2831 | F - 9 | TRANSISTOR | |
| D2834 | E - 7 | Q2804 | G - 7 |
| D2835 | F - 7 | Q3856 | C - 7 |
| D3800 | D - 10 | Q3857 | C - 8 |
| D3801 | C - 9 | Q3858 | C - 9 |
| D3802 | D - 9 | Q3859 | C - 8 |
| D3803 | D - 9 | Q3863 | F - 8 |
| D3804 | C - 9 | | |

~ G Printed Wiring Board Conductor Side ~



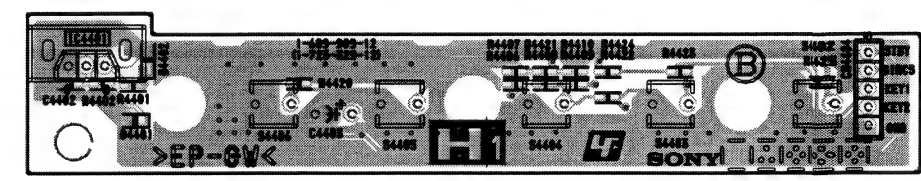
~ G Board IC Voltage Table ~

| IC Voltage Table | | | IC Voltage Table | | | IC Voltage Table | | | IC Voltage Table | | |
|------------------|--------|-------------|------------------|--------|-------------|------------------|--------|-------------|------------------|--------|-------------|
| Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) | Ref No | Pin No | Voltage (V) |
| IC1601 | 1 | 2.8 | IC1601 | 7 | 4.6 | IC1601 | 14 | 161.4 | IC1606 | 2 | 1.2 |
| | 2 | 1.8 | | 8 | 21.1 | | 15 | 151.1 | | 3 | 5.2 |
| | 3 | 2.2 | | 9 | -4.0 | | 16 | 155.7 | | 1 | 6.5 |
| | 4 | 2.5 | | 10 | 10.4 | IC1606 | 18 | 303.8 | IC1607 | 2 | 1.2 |
| | 6 | 0 | | 12 | 4.8 | | 1 | 6.5 | | 3 | 4 |

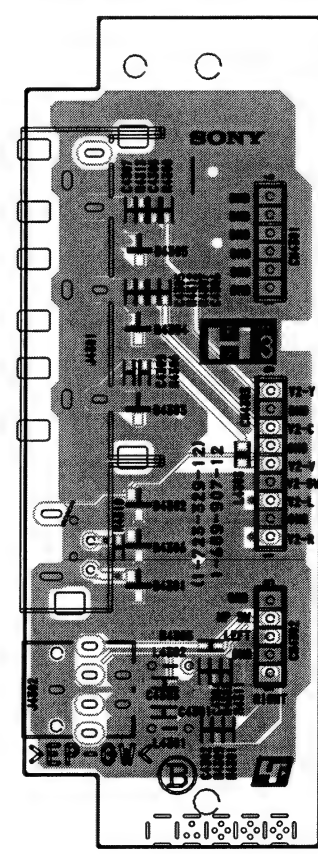
~ G Board Semiconductor Voltage Table ~

| Ref | (a)(e) | (b)(g) | (c)(d) |
|-------|--------|--------|--------|
| Q1606 | 151.6 | 156.4 | 304.2 |
| Q1607 | - | 4.7 | 151.6 |
| Q1603 | GND | 0.8 | 0.1 |
| Q1604 | 0 | 4.1 | 4.1 |
| Q1601 | 0 | 1.8 | 154.2 |
| Q1601 | - | 0.5 | 0 |
| Q1605 | GND | 0 | 4.1 |

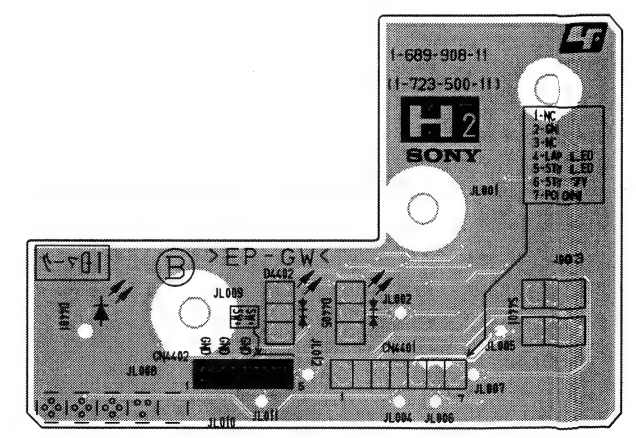
~ H1 Printed Wiring Board Conductor Side ~



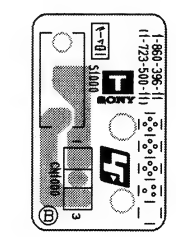
~ H3 Printed Wiring Board Conductor Side ~

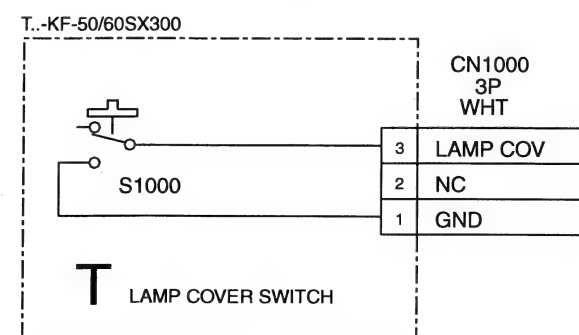
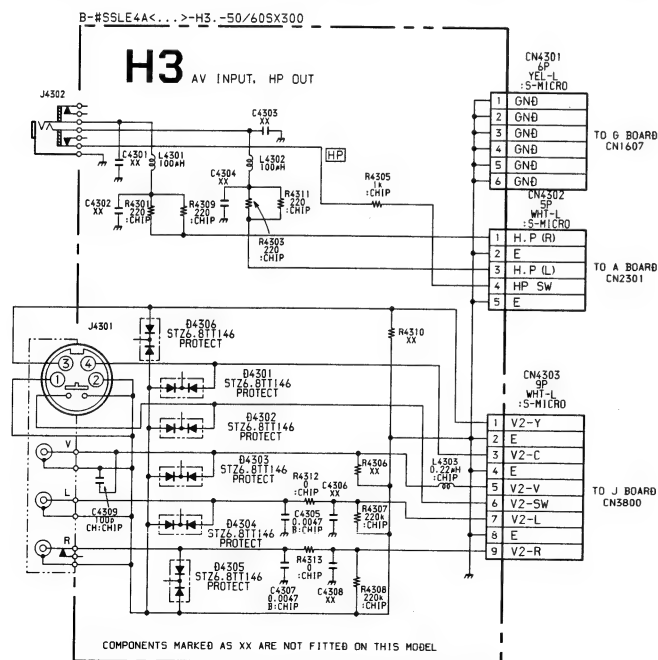
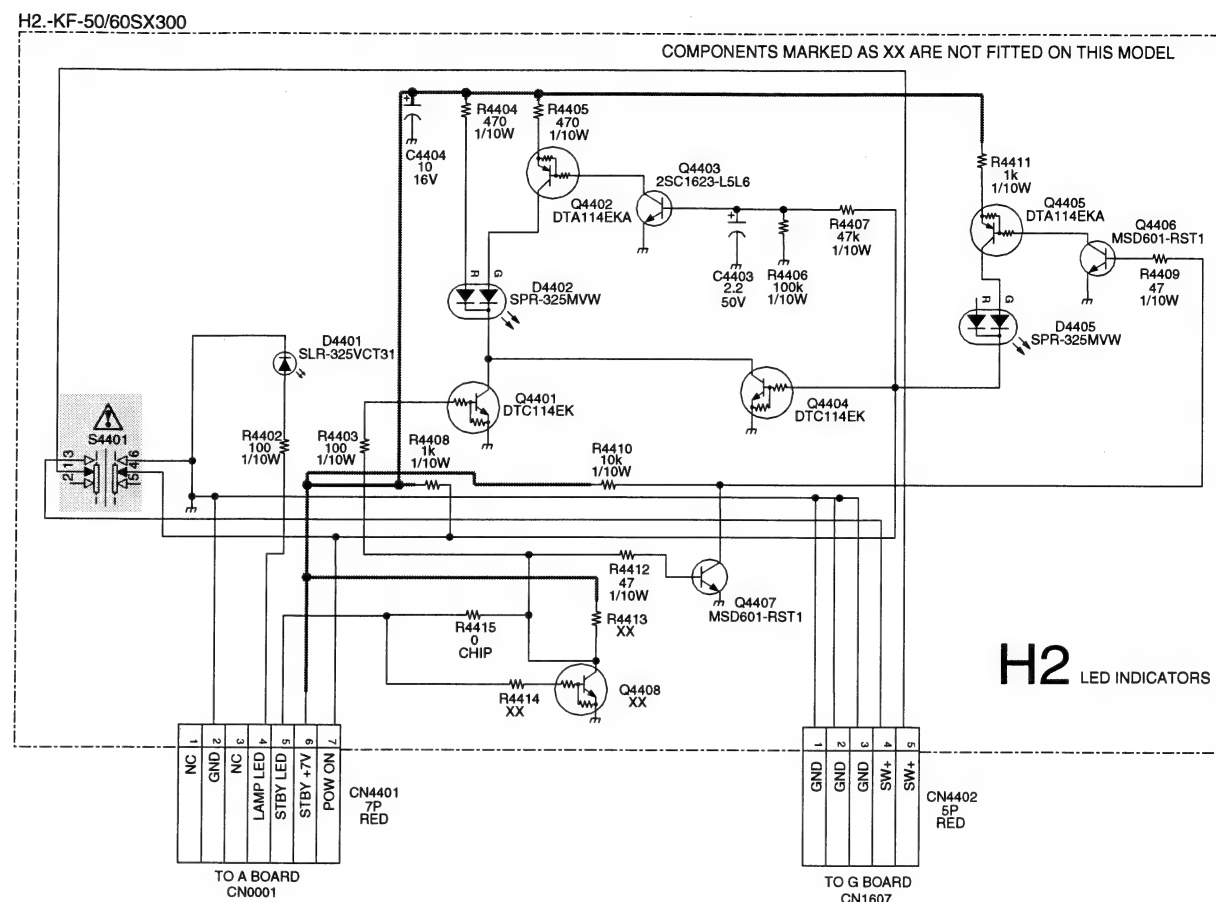
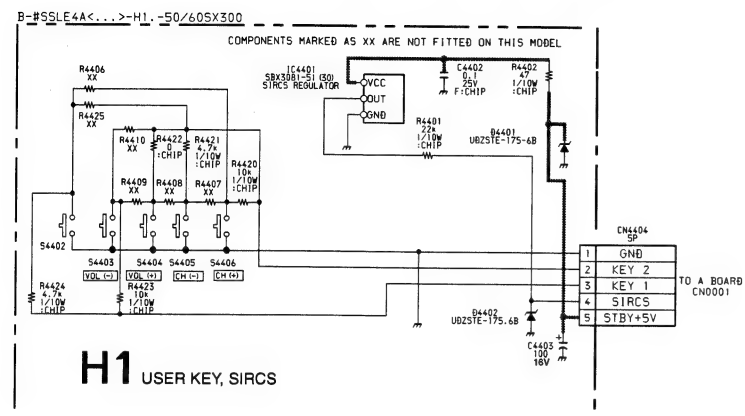


~ H2 Printed Wiring Board Conductor Side ~



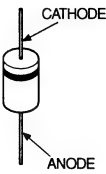
~ T Printed Wiring Board Conductor Side ~



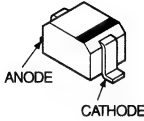


5-4. SEMICONDUCTORS

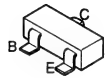
1E3-TB
D1N20R
D1NS4
ERA11-08
UF4005PKG23



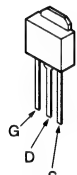
1SS355TE-17
MA113-(TX)
UDZ-TE-1713B
UDZSTE-173.6B
UDZSTE-179.1B



2SA1023AK-T146-R
2SA1162-G
2SC1623-L5L6
2SD2114K
DTA114EKA-T146
DTC114EK



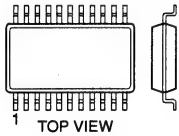
2SK2663



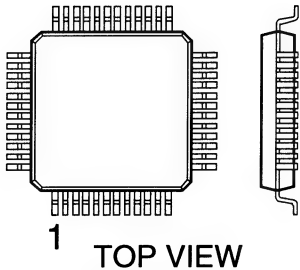
BA033T



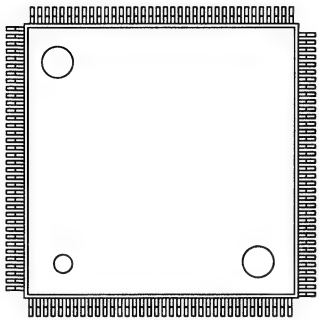
CXA1875AM-T4 (16 pin)
K4S641632F-UC75T (54 pin)
M24C32-WMN6T(A) (8 pin)
TC74VHCT541AFT(EL)
TDA2822D013TR (8 pin)
TLC2932IPWR



CXA2019AQ-T4 (40 pin)
CXA2149AQ-TL (64 pin)
CXA7001R (100 pin)
DSP9450AA1T (144 pin)
VSP9417BC3G (144 pin)



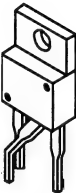
CXD3804R-T6



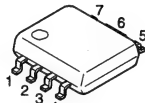
D10SC4M
D10SC6M
D10SC6MR



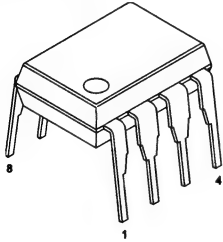
L7805CV/LSY
STP5NK40Z(033Y)
ST2310DHI



LM75C1MX-5



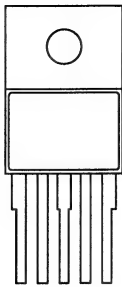
M24256-BWMN6T
M24C02-MN6T(A)



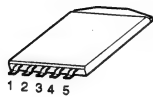
PQ30RV11



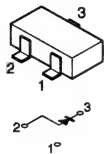
PQ1CG2032FZ



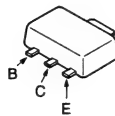
PST9143NL



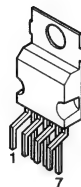
RD5.6M-B2
RD5.6M-B3



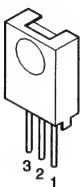
S-80743AL-47-S
S80727-SN-DQ-T1



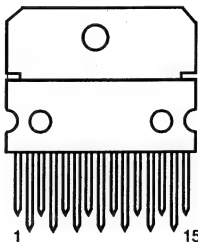
SI-8033S
SI-8050S-LF1101



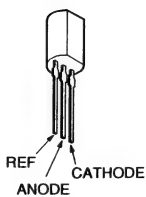
SBX3081-11



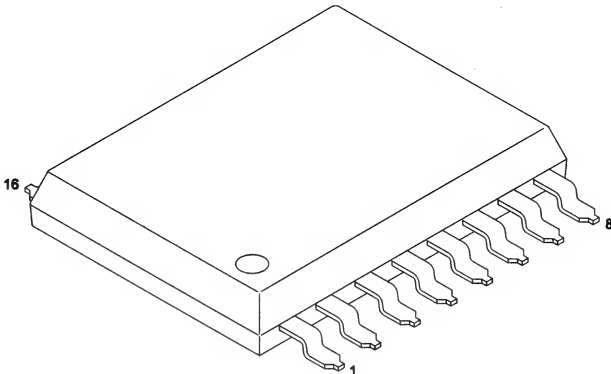
TDA7269A
TDA7482



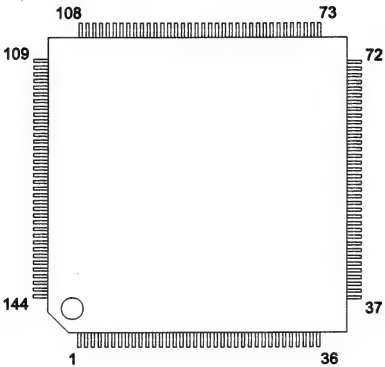
UPC1093J-1-T



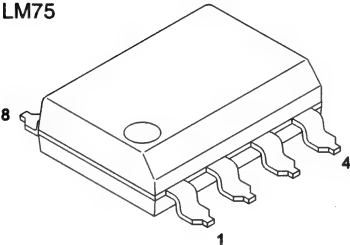
MC74LVX8053



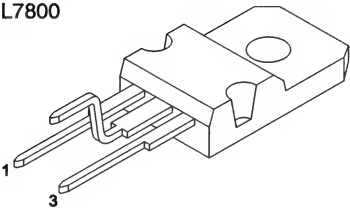
MQFP144



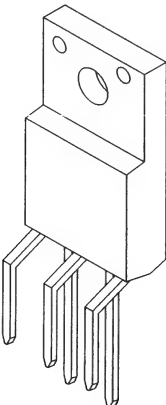
LM75



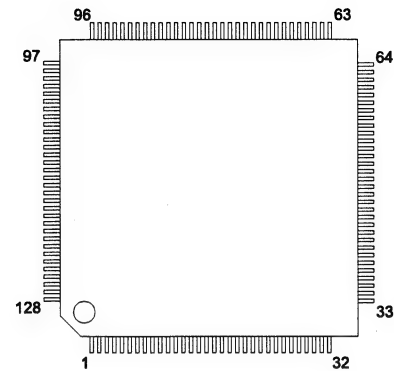
L7800



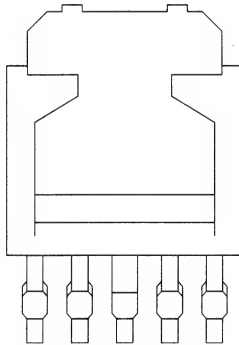
SI8050S
SI8033S



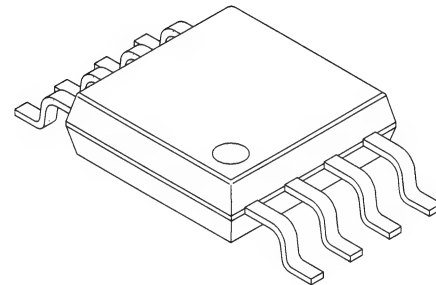
P-MQFP-128



PQ20VZ-U

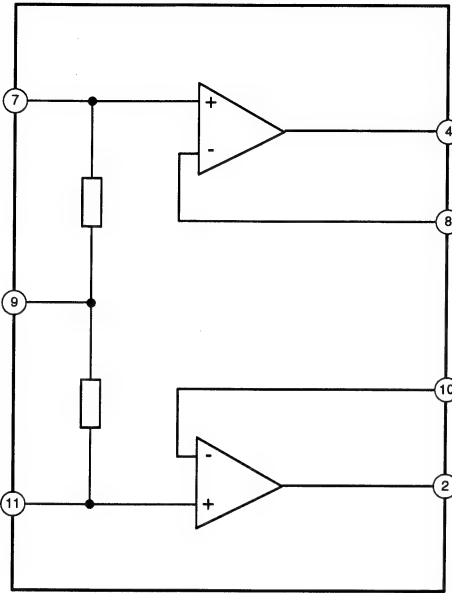


M27V160

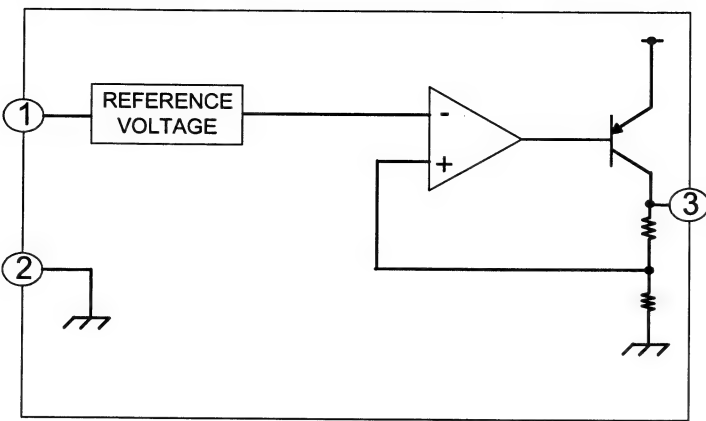


5-5 IC BLOCK DIAGRAMS

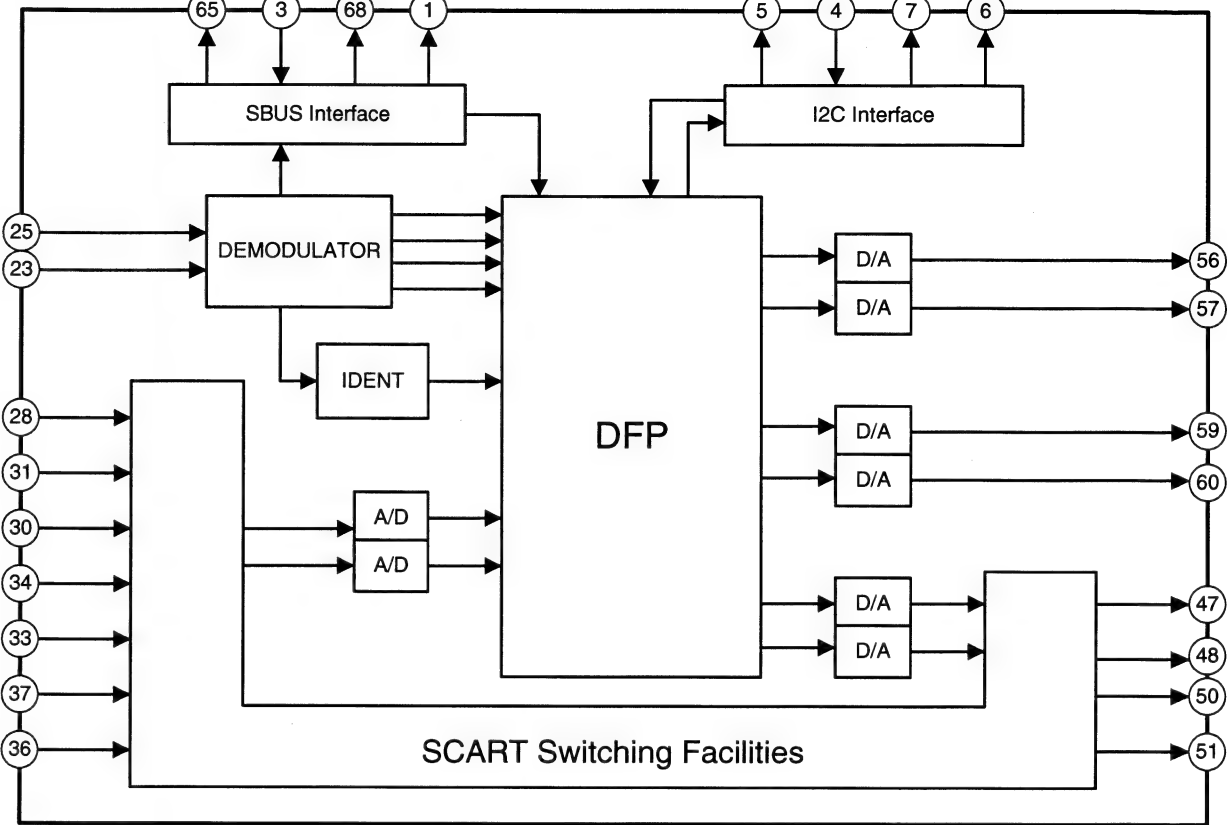
A BOARD IC2500 TDA7269



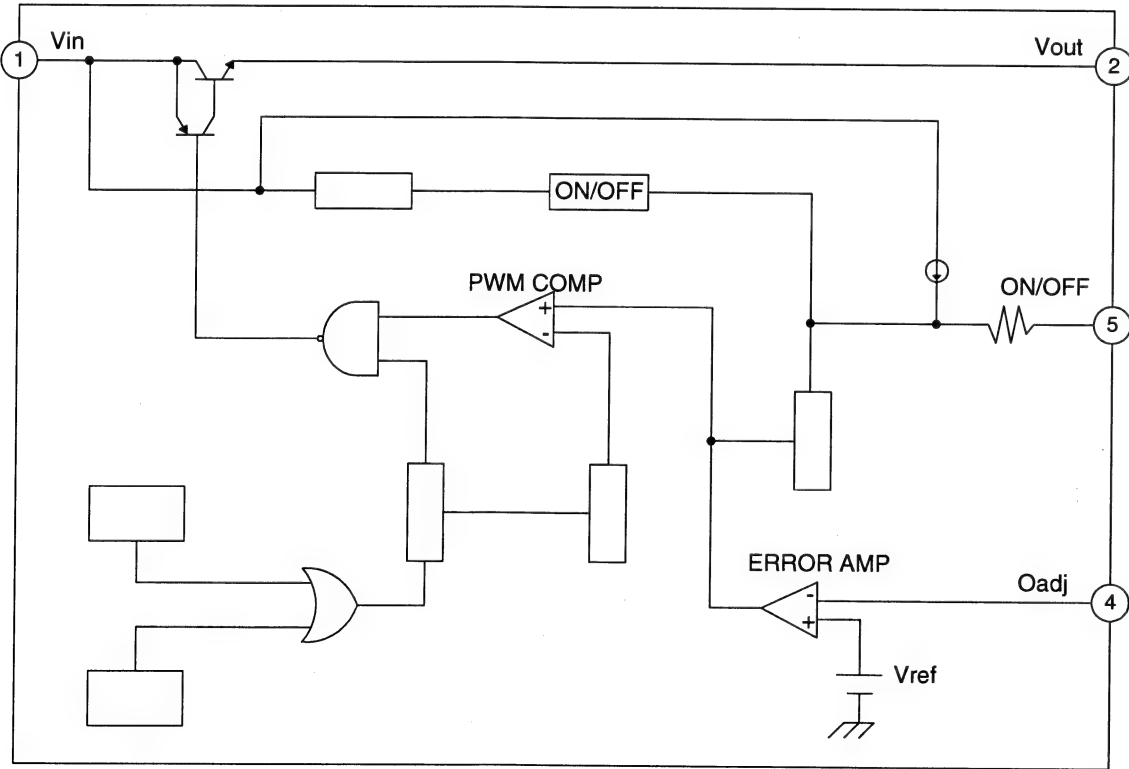
A BOARD IC6201 BA033T



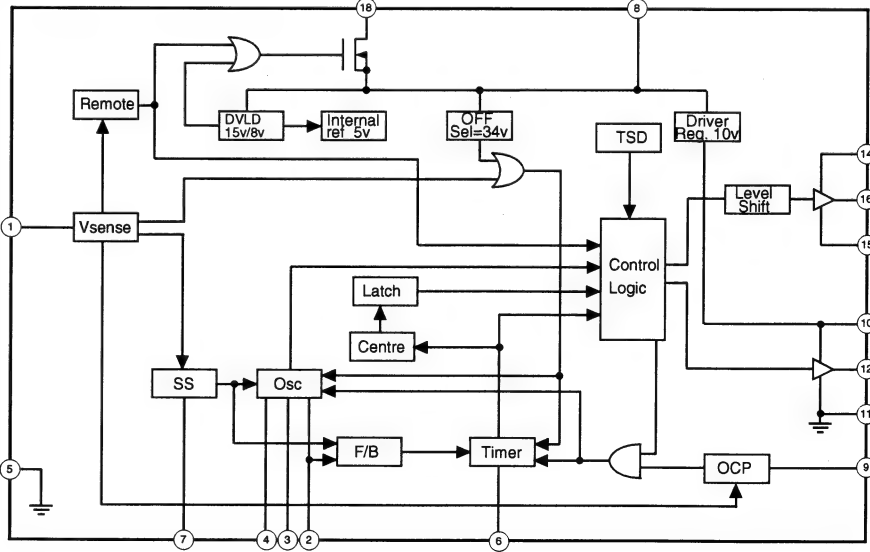
A BOARD IC2000 MSP3411G



A BOARD IC6208 PQ1CG2032FZ



G BOARD IC1601 MCZ3001D



SECTION 6
EXPLODED VIEWS

KF-50/60SX300
RM-906

KF-50/60SX300
RM-906

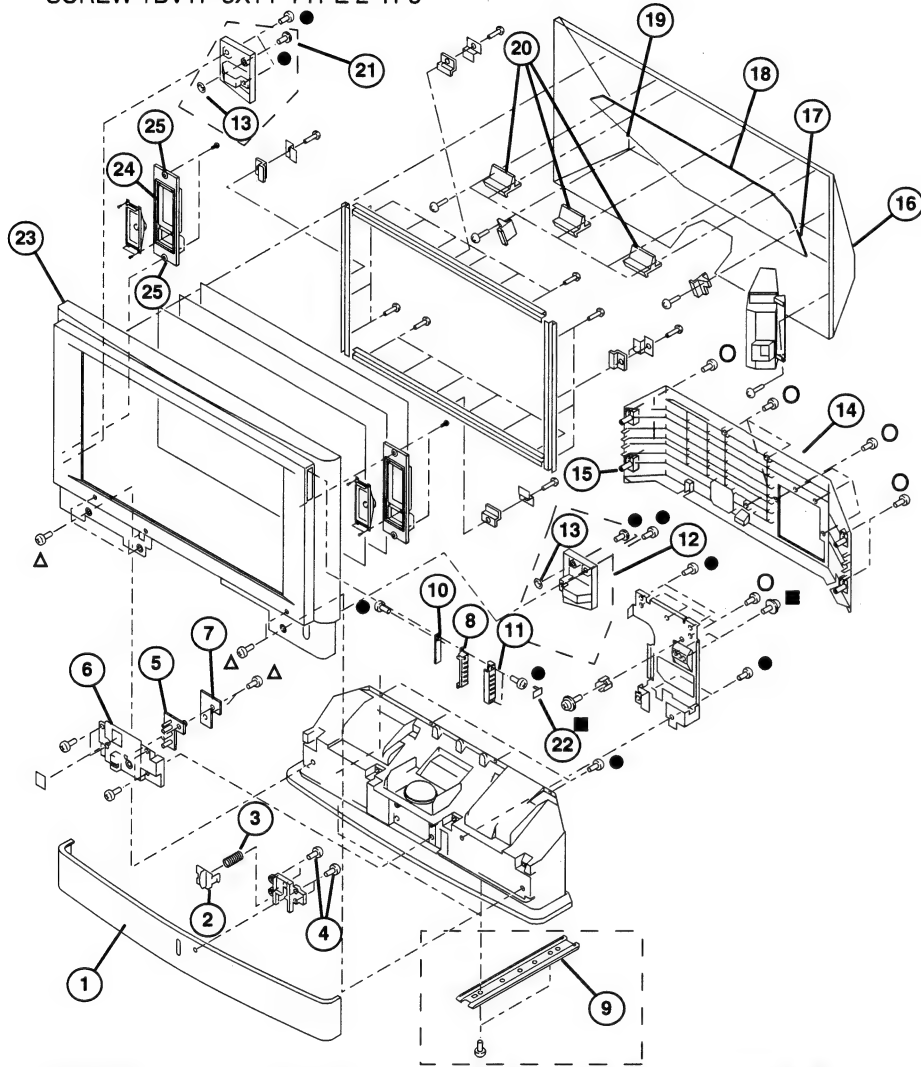
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

6-1. SCREEN AND COVER BLOCK

- : 7-685-648-79 SCREW (WASHER HEAD) (+P4X35)
△ : 7-685-658-79 SCREW +BVTP 3X12 TYPE 2 IT-3
● : 7-685-663-79 SCREW +BVTP 4X16 TYPE 2 IT-3
○ : 7-685-663-71 SCREW +BVTP 3X14 TYPE 2 IT-3

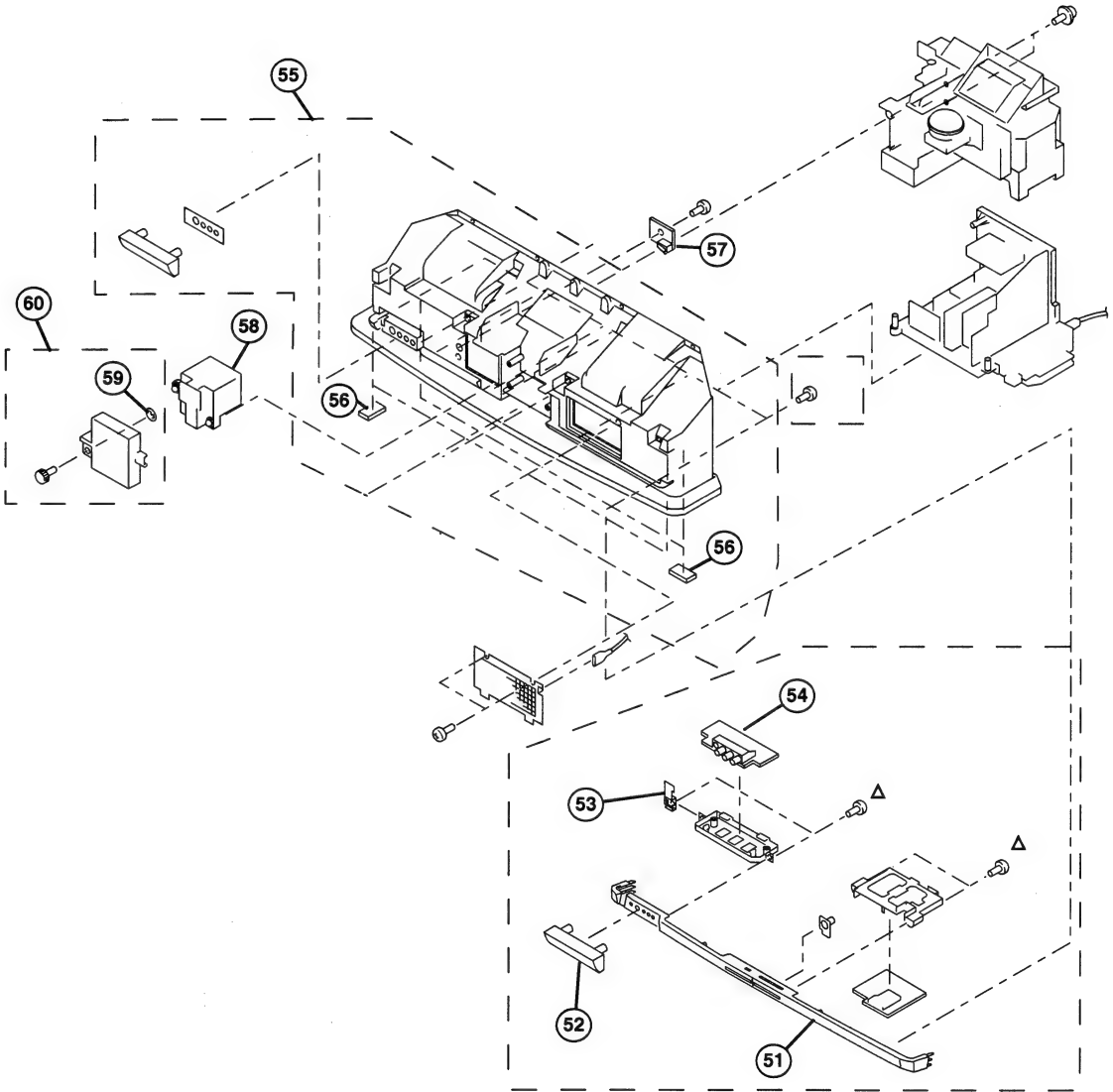


| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|------------------------------------|--------|---------|--------------|--------------------------------------|--------|
| 1 | X-4041-950-1 | COVER ASSY, FRONT (KF-50SX300) | | 14 | 4-094-695-31 | COVER, REAR (KF-50SX300) | |
| | X-4041-958-1 | COVER ASSY, FRONT (KF-60SX300) | | | 4-094-695-41 | COVER, REAR (KF-60SX300) | |
| 2 | 4-094-706-01 | BUTTON, POWER | | 15 | 1-825-580-11 | LOUDSPEAKER (10CM) | |
| 3 | 4-036-405-01 | SPRING, COMPRESSION | | 16 | X-4041-944-1 | COVER (50) ASSY, MIRROR (KF-50SX300) | |
| 4 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 IT-3 | | | X-4041-954-1 | COVER (60) ASSY, MIRROR (KF-60SX300) | |
| 5 | 4-094-707-01 | GUIDE (LED), LIGHT | | 17 | 4-077-752-02 | HOLDER (L), MIRROR | |
| 6 | 4-095-607-11 | BRACKET, H2 | | 18 | 4-078-871-01 | MIRROR (50) (KF-50SX300) | |
| 7 | A-1405-808-A | MOUNTED PC BOARD, H2 | | | 4-097-650-01 | MIRROR (60) (KF-60SX300) | |
| 8 | 4-094-712-01 | BUTTON, H1 | | 19 | 4-077-731-02 | HOLDER (R), MIRROR | |
| 9 | X-4042-014-2 | PLATE (50) ASSY, FOOT (KF-50SX300) | | 20 | 4-077-669-01 | HOLDER (U), MIRROR | |
| | X-4042-015-2 | PLATE (60) ASSY, FOOT (KF-60SX300) | | 21 | X-4041-951-1 | CAP REAR (R), ASSY | |
| 10 | A-1405-807-A | MOUNTED PC BOARD, H1 | | 22 | 4-099-706-01 | CAP H1 (PAINTED) | |
| 11 | 4-099-707-01 | BRACKET H1 (PAINTED) | | 23 | A-1604-990-A | FRAME (50) ASSY, SCREEN (KF-50SX300) | |
| 12 | X-4041-952-1 | CAP REAR (L), ASSY | | | A-1605-715-A | FRAME (60) ASSY, SCREEN (KF-60SX300) | |
| 13 | 3-650-537-00 | WASHER | | 24 | 1-544-857-11 | SPEAKER (13X7CM) | |
| | | | | 25 | 4-058-870-01 | SCREW | |

6-2. CABINET BLOCK

△ : 7-685-658-79 SCREW +BVTP 3X12 TYPE 2 IT-3

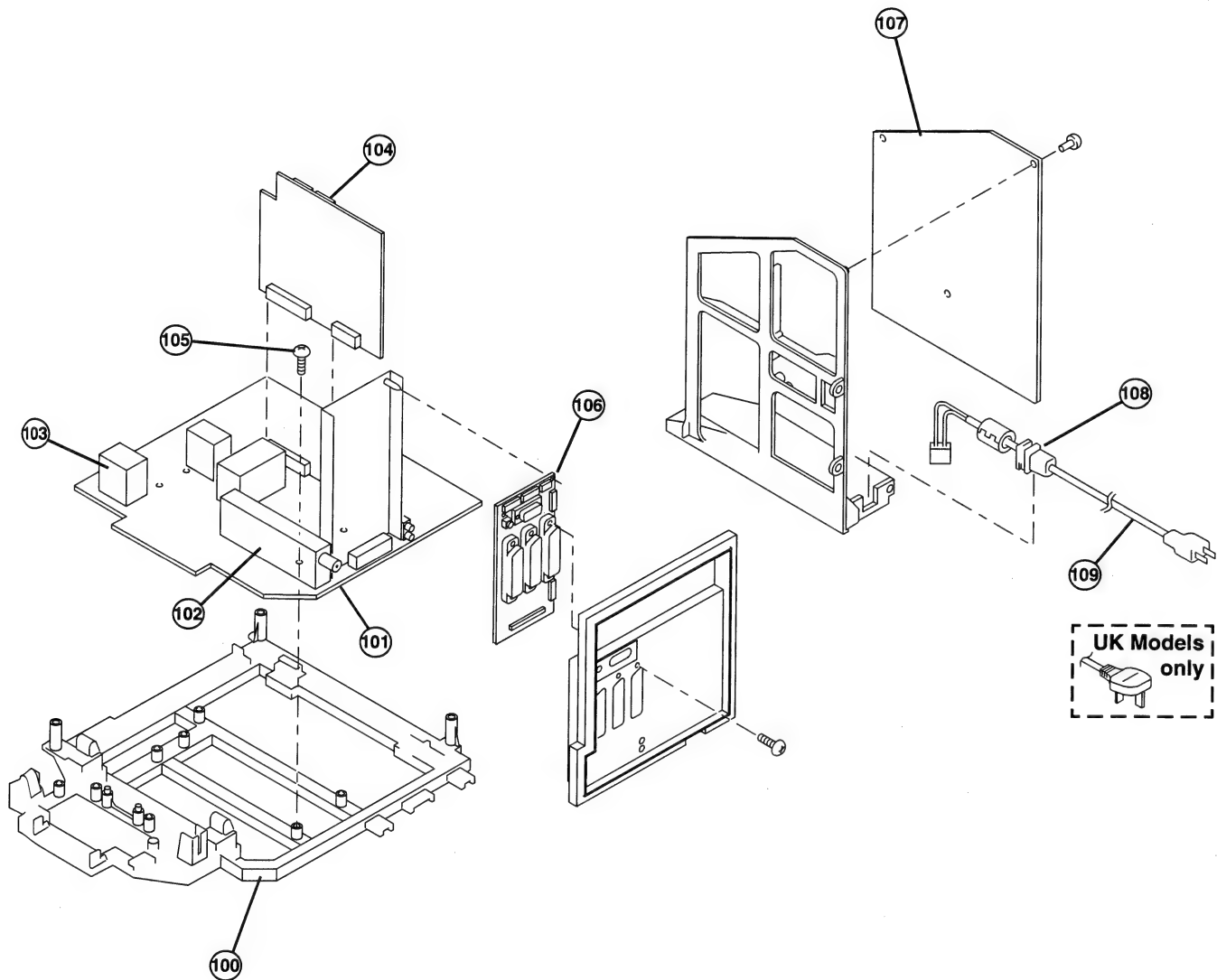
The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.



| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|---------------|--------------------------------|--------|---------|---------------|---------------------|--------|
| 51 | 4-094-723-21 | COVER, BOTTOM | | 56 | 4-097-548-01 | CUSHION, FOOT | |
| 52 | 4-098-512-01 | DOOR, H3 | | 57 | *A-1405-811-A | MOUNTED PC BOARD, T | |
| 53 | 4-094-757-01 | SPRING, PLATE | | 58 | A-1606-075-A | LAMP BLOCK ASSY | |
| 54 | *A-1405-806-A | MOUNTED PC BOARD, H3 | | 59 | *3-650-537-00 | WASHER | |
| 55 | X-4041-946-1 | CABINET (50) ASSY (KF-50SX300) | | 60 | 4-094-747-11 | DOOR, LAMP | |
| | X-4041-956-1 | CABINET (60) ASSY (KF-60SX300) | | | | | |

6-3. MAIN BRACKET BLOCK

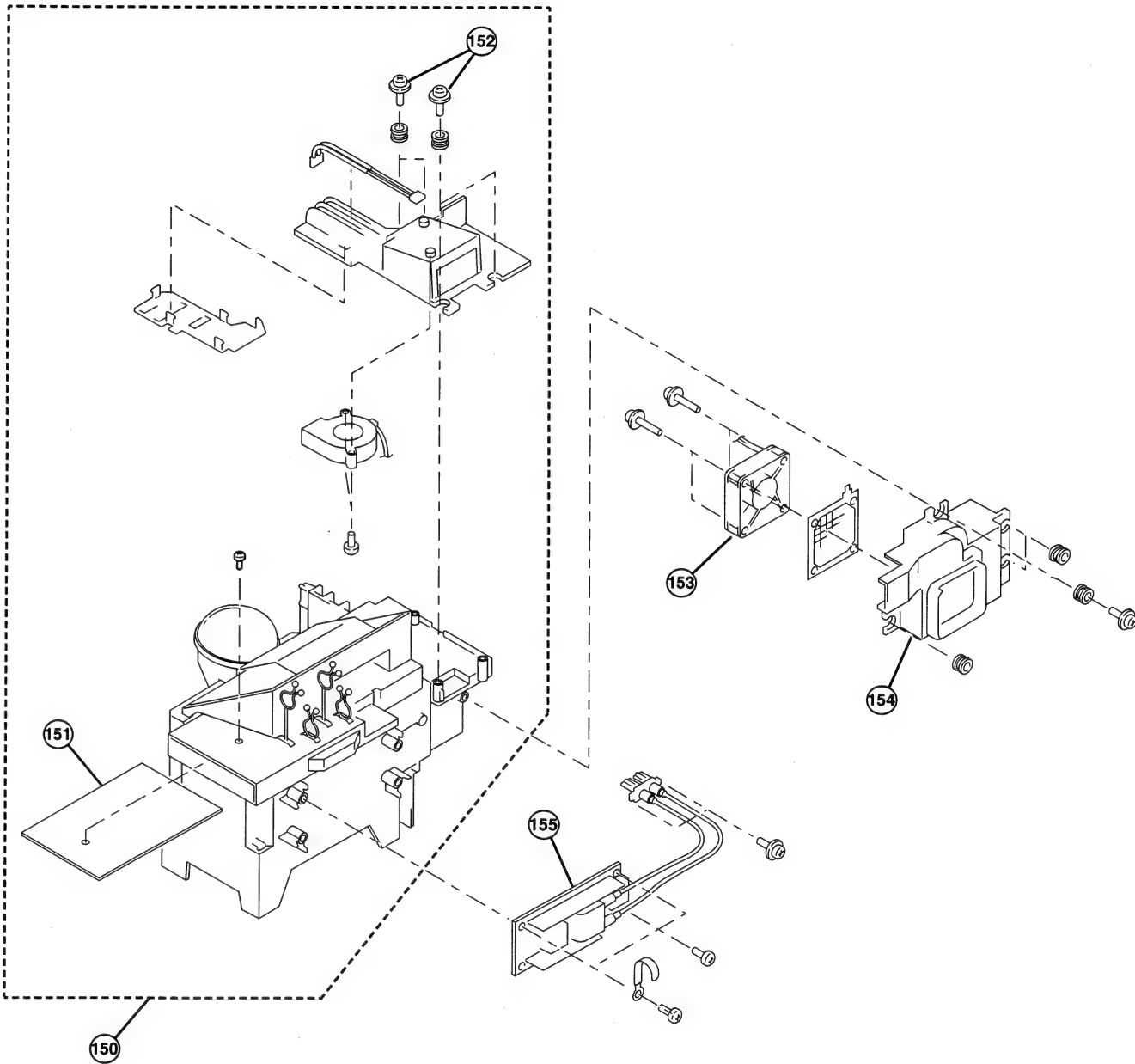
The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.



| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|---------------|-----------------------------|--------|---------|-----------------------|---|--------|
| 100 | 4-096-934-11 | BRACKET, MAIN | | 107 | *A-1302-408-A | COMPLETE PC BOARD, G | |
| 101 | *A-1405-803-A | MOUNTED PC BOARD, A | | 108 | 4-065-070-01 | HOLDER, AC CORD | |
| 102 | 8-598-535-20 | FRONT END BTF-EF411 | | 109 | Δ 1-765-286-11 | CORD, POWER (KF-50SX300K/KF-50SX300AEP/ KF-60SX300K/KF-60SX300AEP) | |
| 103 | 1-419-965-11 | COIL, CHOKE 27.0MMH | | | Δ 1-776-860-11 | POWER CORD, FILTER(UK) (KF-50SX300U/ KF-60SX300U) | |
| 104 | *H-8001-379-A | MOUNTED PC BOARD, B (VAR) | | | | | |
| 105 | 7-685-663-79 | SCREW +BVTP 4X16 TYPE2 IT-3 | | | | | |
| 106 | *A-1405-804-A | MOUNTED PC BOARD, J | | | | | |

6-4. PICTURE TUBE BLOCK

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.



| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|--------------------------|--------|---------|-----------------------|--------------------|--------|
| 150 | A-1604-992-A | OPTICS UNIT BLOCK ASSY | | 153 | 1-787-057-11 | D.C. FAN | |
| 151 | A-1302-407-A | COMPLETE PC BOARD, C | | 154 | 1-418-257-11 | FAN UNIT, DC | |
| 152 | 4-319-520-11 | SCREW, SPECIAL (+PW4X30) | | 155 | Δ 1-468-798-11 | POWER SUPPLY BLOCK | |

SECTION 7
ELECTRICAL PARTS LIST

B

PARTS LISTING TABLE OF CONTENTS

| | |
|---------------------------------------|----|
| B BOARD COMPLETE Parts List : | 63 |
| A BOARD COMPLETE Parts List : | 68 |
| J BOARD COMPLETE Parts List : | 73 |
| T BOARD COMPLETE Parts List : | 76 |
| G BOARD COMPLETE Parts List : | 76 |
| H1 BOARD COMPLETE Parts List : | 79 |
| H2 BOARD COMPLETE Parts List : | 79 |
| H3 BOARD COMPLETE Parts List : | 80 |
| C BOARD COMPLETE Parts List : | 80 |
| MISCELLANEOUS : | 88 |
| ACCESSORIES AND PACKAGING MATERIALS : | 88 |
| REMOTE COMMANDER: | 88 |

Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)
Parts indicated (XX) on the Schematic Diagram are not used in this model and
therefore do not appear in the Parts List.

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------------------------------|--------------|---------------------|------------|---------|--------------|----------------------|------------|
| * H-8001-379-A B Board Complete | | | | C3106 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V |
| < CAPACITOR > | | | | C3107 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0005 | 1-162-921-11 | CERAMIC CHIP 33PF | 5.00% 50V | C3108 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0006 | 1-162-921-11 | CERAMIC CHIP 33PF | 5.00% 50V | C3109 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0007 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | C3110 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0008 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3121 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0009 | 1-162-923-11 | CERAMIC CHIP 47PF | 5.00% 50V | C3122 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0011 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3123 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0013 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3124 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0015 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3127 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0016 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3129 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V |
| C0017 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3130 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0018 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3131 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0020 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3132 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0021 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3133 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0023 | 1-107-715-11 | ELECT 22UF | 20.00% 50V | C3134 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0025 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3135 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V |
| C0026 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3136 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0028 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3137 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V |
| C0029 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3138 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0032 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3139 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0033 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3140 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0035 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3141 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0038 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3142 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0039 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3143 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0041 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3144 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0043 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3145 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0045 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3147 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0047 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3148 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0048 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3300 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0051 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3301 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0053 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3302 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0054 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3303 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0055 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3304 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0056 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3305 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0059 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3306 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0060 | 1-164-230-11 | CERAMIC CHIP 220PF | 5.00% 50V | C3307 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C0061 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3308 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0062 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3309 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0063 | 1-164-230-11 | CERAMIC CHIP 220PF | 5.00% 50V | C3310 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0064 | 1-164-230-11 | CERAMIC CHIP 220PF | 5.00% 50V | C3311 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0065 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3314 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C0066 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3315 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3101 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | C3316 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3102 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | C3317 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3103 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | C3318 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3104 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | C3319 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3105 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | C3320 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| | | | | C3321 | 1-115-758-11 | ELECT 470UF | 20.00% 16V |
| | | | | C3324 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|----------------------|------------|---------|--------------|-----------------------|------------|
| C3402 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3836 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3403 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3837 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3405 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3838 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3406 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3839 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3407 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3840 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3408 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3841 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V |
| C3409 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3842 | 1-162-919-11 | CERAMIC CHIP 22UF | 5.00% 50V |
| C3410 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3844 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3411 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3845 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3413 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3846 | 1-126-959-11 | ELECT 0.47UF | 20.00% 50V |
| C3431 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | C3847 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3432 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | C3848 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3433 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | C3849 | 1-164-388-91 | CERAMIC CHIP 270PF | 5.00% 50V |
| C3436 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3851 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3800 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3853 | 1-126-960-11 | ELECT 1UF | 20.00% 50V |
| C3801 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3854 | 1-162-968-11 | CERAMIC CHIP 0.0047UF | 10.00% 50V |
| C3802 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3855 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3803 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3856 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3804 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3857 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3805 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3858 | 1-126-960-11 | ELECT 1UF | 20.00% 50V |
| C3806 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3859 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3807 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3861 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V |
| C3808 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3864 | 1-126-959-11 | ELECT 0.47UF | 20.00% 50V |
| C3809 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3865 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3810 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3866 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3811 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3867 | 1-126-963-11 | ELECT 4.7UF | 20.00% 50V |
| C3812 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3868 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3813 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | C3869 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3814 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3870 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3815 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3871 | 1-164-315-11 | CERAMIC CHIP 470PF | 5.00% 50V |
| C3816 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3872 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3817 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3874 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3818 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3875 | 1-125-891-11 | CERAMIC CHIP 0.47UF | 10.00% 10V |
| C3819 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3876 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3820 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3877 | 1-162-917-11 | CERAMIC CHIP 15PF | 5.00% 50V |
| C3821 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3879 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3822 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3882 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3823 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3883 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3824 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3884 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3825 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5503 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V |
| C3826 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5508 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3827 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5509 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3828 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5510 | 1-115-416-11 | CERAMIC CHIP 0.001UF | 5.00% 25V |
| C3829 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5511 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3830 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5516 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3831 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C5518 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3832 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C5558 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C3833 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | | | | |
| C3834 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | | | | |
| C3835 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | | | | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|----------------|----------------|---------------------------|--------|--------------|--------------|------------------------|--------|
| < CONNECTOR > | | | | L3403 | 1-414-928-21 | INDUCTOR 1UH | |
| CN0004 | * 1-564-507-11 | PLUG, CONNECTOR 4P | | L3404 | 1-414-928-21 | INDUCTOR 1UH | |
| CN3100 | 1-794-244-11 | CONNECTOR, DIN (PLUG) 96P | | L3800 | 1-414-928-21 | INDUCTOR 1UH | |
| CN3400 | * 1-564-524-11 | PLUG, CONNECTOR 9P | | L3801 | 1-414-928-21 | INDUCTOR 1UH | |
| CN3401 | * 1-764-643-21 | PIN, CONNECTOR (SMD) 11P | | L3802 | 1-414-928-21 | INDUCTOR 1UH | |
| < DIODE > | | | | L3803 | 1-414-928-21 | INDUCTOR 1UH | |
| D0070 | 8-719-081-97 | DIODE MMDL914T1 | | L3805 | 1-414-928-21 | INDUCTOR 1UH | |
| D0071 | 1-216-864-11 | SHORT CHIP 0 | | L3806 | 1-414-928-21 | INDUCTOR 1UH | |
| D5500 | 8-719-069-55 | DIODE UDZSTE-175.6B | | L3807 | 1-414-928-21 | INDUCTOR 1UH | |
| D5501 | 8-719-083-57 | DIODE UDZSTE-173.6B | | L3808 | 1-412-987-31 | INDUCTOR 4.7UH | |
| D5502 | 6-500-028-01 | DIODE MM3Z9V1ST1 | | L3809 | 1-414-928-21 | INDUCTOR 1UH | |
| D5504 | 8-719-081-97 | DIODE MMDL914T1 | | L3810 | 1-414-928-21 | INDUCTOR 1UH | |
| D5505 | 8-719-081-97 | DIODE MMDL914T1 | | L3856 | 1-414-928-21 | INDUCTOR 1UH | |
| D5506 | 8-719-081-97 | DIODE MMDL914T1 | | L5549 | 1-414-928-21 | INDUCTOR 1UH | |
| < TRANSISTOR > | | | | Q0001 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| FL3800 | 1-233-765-21 | FILTER | | Q0002 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| FL3801 | 1-233-765-21 | FILTER | | Q0003 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| < IC > | | | | Q0005 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0001 | 6-704-964-01 | IC SDA6001-B12T | | Q0075 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0002 | 8-759-682-41 | IC M24C32-WMN6T(A) | | Q3409 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0003 | 6-704-312-01 | IC K4S641632F-UC75T | | Q3410 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0005 | 6-803-811-01 | M27V160-100K1-LE4001 | | Q3800 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0006 | 6-702-313-01 | PST6001MT | | Q3801 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC0007 | 8-759-352-91 | IC PST9143NL | | Q3802 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC3800 | 6-704-312-01 | IC K4S641632F-UC75T | | Q3803 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC3801 | 8-752-424-79 | IC CXD3804R-T6 | | Q3805 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| IC3802 | 8-752-086-80 | IC CXA2019AQ-T4 | | Q3806 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| < COIL > | | | | Q3807 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L0002 | 1-414-928-21 | INDUCTOR 1UH | | Q3808 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L0003 | 1-414-928-21 | INDUCTOR 1UH | | Q3811 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L0004 | 1-414-928-21 | INDUCTOR 1UH | | Q3812 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L0006 | 1-414-928-21 | INDUCTOR 1UH | | Q3814 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L0007 | 1-414-928-21 | INDUCTOR 1UH | | Q3816 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L0008 | 1-414-928-21 | INDUCTOR 1UH | | Q5500 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3100 | 1-414-928-21 | INDUCTOR 1UH | | Q5503 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3104 | 1-414-928-21 | INDUCTOR 1UH | | Q5505 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3105 | 1-414-928-21 | INDUCTOR 1UH | | Q5507 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L3106 | 1-414-928-21 | INDUCTOR 1UH | | Q5509 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3107 | 1-414-928-21 | INDUCTOR 1UH | | Q5519 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3300 | 1-414-928-21 | INDUCTOR 1UH | | Q5550 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L3301 | 1-414-928-21 | INDUCTOR 1UH | | < RESISTOR > | | | |
| L3302 | 1-414-928-21 | INDUCTOR 1UH | | JR0002 | 1-216-821-11 | METAL CHIP 1K 5% 1/10W | |
| L3400 | 1-414-928-21 | INDUCTOR 1UH | | JR0003 | 1-216-864-11 | SHORT CHIP 0 | |
| L3401 | 1-414-928-21 | INDUCTOR 1UH | | JR0004 | 1-216-864-11 | SHORT CHIP 0 | |
| L3402 | 1-414-928-21 | INDUCTOR 1UH | | JR0008 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | JR0010 | 1-216-864-11 | SHORT CHIP 0 | |

B

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|-------------|---------------|---------|--------------|-------------|---------------|
| JR0011 | 1-216-864-11 | SHORT CHIP | 0 | R0052 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| JR3400 | 1-216-864-11 | SHORT CHIP | 0 | R0053 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| JR3404 | 1-216-864-11 | SHORT CHIP | 0 | R0056 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| JR3406 | 1-216-864-11 | SHORT CHIP | 0 | R0057 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| JR3408 | 1-216-864-11 | SHORT CHIP | 0 | R0059 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| JR3409 | 1-216-864-11 | SHORT CHIP | 0 | R0060 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0001 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0063 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0002 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0064 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0003 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0065 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0004 | 1-216-816-11 | METAL CHIP | 390 5% 1/10W | R0066 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0005 | 1-216-816-11 | METAL CHIP | 390 5% 1/10W | R0067 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0006 | 1-216-816-11 | METAL CHIP | 390 5% 1/10W | R0068 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0007 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R0069 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0008 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R0070 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0009 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R0071 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R0011 | 1-216-864-11 | SHORT CHIP | 0 | R0072 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0014 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R0073 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0015 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R0074 | 1-216-864-11 | SHORT CHIP | 0 |
| R0016 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R0075 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0018 | 1-216-864-11 | SHORT CHIP | 0 | R0076 | 1-216-864-11 | SHORT CHIP | 0 |
| R0019 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0079 | 1-216-864-11 | SHORT CHIP | 0 |
| R0020 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0080 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W |
| R0021 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0081 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W |
| R0022 | 1-216-864-11 | SHORT CHIP | 0 | R0082 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0023 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0083 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0025 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0084 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0026 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0085 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0027 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0086 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0028 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R0087 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0029 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0088 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0030 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0092 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0031 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0093 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0032 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W | R0095 | 1-216-864-11 | SHORT CHIP | 0 |
| R0033 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W | R0099 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0034 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R0102 | 1-216-864-11 | SHORT CHIP | 0 |
| R0035 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0108 | 1-216-864-11 | SHORT CHIP | 0 |
| R0036 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R0137 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0037 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3100 | 1-216-864-11 | SHORT CHIP | 0 |
| R0038 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R3101 | 1-216-864-11 | SHORT CHIP | 0 |
| R0039 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3103 | 1-216-864-11 | SHORT CHIP | 0 |
| R0040 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3104 | 1-216-864-11 | SHORT CHIP | 0 |
| R0042 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3106 | 1-216-864-11 | SHORT CHIP | 0 |
| R0043 | 1-216-864-11 | SHORT CHIP | 0 | R3108 | 1-216-864-11 | SHORT CHIP | 0 |
| R0044 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3109 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0045 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3110 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0046 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R3112 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0047 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3113 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0048 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3165 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0049 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3210 | 1-216-864-11 | SHORT CHIP | 0 |
| | | | | R3211 | 1-216-864-11 | SHORT CHIP | 0 |

B

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|-------------|---------------|---------|--------------|-------------|-----------------|
| R3212 | 1-216-864-11 | SHORT CHIP | 0 | R3820 | 1-216-864-11 | SHORT CHIP | 0 |
| R3240 | 1-216-864-11 | SHORT CHIP | 0 | R3821 | 1-216-864-11 | SHORT CHIP | 0 |
| R3241 | 1-216-864-11 | SHORT CHIP | 0 | R3822 | 1-216-818-11 | METAL CHIP | 560 5% 1/10W |
| R3242 | 1-216-864-11 | SHORT CHIP | 0 | R3823 | 1-216-864-11 | SHORT CHIP | 0 |
| R3270 | 1-216-864-11 | SHORT CHIP | 0 | R3825 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3271 | 1-216-864-11 | SHORT CHIP | 0 | R3826 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3272 | 1-216-864-11 | SHORT CHIP | 0 | R3829 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3300 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3830 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R3301 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3833 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3303 | 1-216-864-11 | SHORT CHIP | 0 | R3834 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R3306 | 1-216-864-11 | SHORT CHIP | 0 | R3836 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3307 | 1-216-864-11 | SHORT CHIP | 0 | R3837 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3313 | 1-216-864-11 | SHORT CHIP | 0 | R3838 | 1-216-864-11 | SHORT CHIP | 0 |
| R3401 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | R3839 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3404 | 1-216-864-11 | SHORT CHIP | 0 | R3840 | 1-216-864-11 | SHORT CHIP | 0 |
| R3407 | 1-216-864-11 | SHORT CHIP | 0 | R3841 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3411 | 1-216-864-11 | SHORT CHIP | 0 | R3845 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W |
| R3413 | 1-216-864-11 | SHORT CHIP | 0 | R3846 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3414 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3847 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3419 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3849 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W |
| R3421 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3850 | 1-218-851-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| R3422 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3851 | 1-218-859-11 | METAL CHIP | 3.3K 0.5% 1/10W |
| R3423 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3852 | 1-218-831-11 | METAL CHIP | 220 0.5% 1/10W |
| R3435 | 1-216-864-11 | SHORT CHIP | 0 | R3853 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3437 | 1-216-864-11 | SHORT CHIP | 0 | R3854 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R3438 | 1-216-864-11 | SHORT CHIP | 0 | R3855 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R3441 | 1-216-864-11 | SHORT CHIP | 0 | R3856 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R3442 | 1-216-864-11 | SHORT CHIP | 0 | R3857 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W |
| R3443 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | R3859 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R3444 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3860 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R3445 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R3861 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R3447 | 1-216-864-11 | SHORT CHIP | 0 | R3862 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3451 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R3863 | 1-216-864-11 | SHORT CHIP | 0 |
| R3452 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3864 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3800 | 1-216-864-11 | SHORT CHIP | 0 | R3865 | 1-216-864-11 | SHORT CHIP | 0 |
| R3801 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R3866 | 1-216-864-11 | SHORT CHIP | 0 |
| R3802 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R3868 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R3803 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W | R3869 | 1-216-864-11 | SHORT CHIP | 0 |
| R3804 | 1-216-830-11 | METAL CHIP | 5.6K 5% 1/10W | R3870 | 1-218-907-11 | METAL CHIP | 330K 0.5% 1/10W |
| R3806 | 1-216-864-11 | SHORT CHIP | 0 | R3871 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R3807 | 1-216-818-11 | METAL CHIP | 560 5% 1/10W | R3874 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R3808 | 1-216-864-11 | SHORT CHIP | 0 | R3875 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R3810 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3876 | 1-218-835-11 | METAL CHIP | 330 0.5% 1/10W |
| R3811 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R3877 | 1-216-832-11 | METAL CHIP | 8.2K 5% 1/10W |
| R3812 | 1-414-760-21 | FERRITE | 00H | R3878 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R3814 | 1-216-864-11 | SHORT CHIP | 0 | R3879 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3815 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R3881 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R3816 | 1-216-830-11 | METAL CHIP | 5.6K 5% 1/10W | R3882 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3817 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R3883 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3818 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W | R3884 | 1-218-859-11 | METAL CHIP | 3.3K 0.5% 1/10W |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | | | REF.NO. | PART.NO | DESCRIPTION | REMARK | | |
|-------------------|--------------|-----------------------|--------|------|-------|--------------------------------------|--------------|----------------------------|--------|-----|--|
| R3888 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | RB0031 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R3890 | 1-216-864-11 | SHORT CHIP | 0 | | | RB0032 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R3892 | 1-216-864-11 | SHORT CHIP | 0 | | | RB0033 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R3893 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W | RB0034 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R3894 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W | RB0035 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| | | | | | | | | | | | |
| R5501 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | RB0036 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5502 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0037 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5504 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0038 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5505 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0039 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5510 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0043 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| | | | | | | | | | | | |
| R5511 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0044 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5512 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W | RB0045 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5516 | 1-218-831-11 | METAL CHIP | 220 | 0.5% | 1/10W | RB0050 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5517 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0051 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5518 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | RB0052 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| | | | | | | | | | | | |
| R5523 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W | RB0053 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5524 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W | RB0054 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5526 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | RB0055 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | |
| R5528 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | RB3800 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5529 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | RB3801 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| | | | | | | | | | | | |
| R5532 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | RB3802 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5539 | 1-218-879-11 | METAL CHIP | 22K | 0.5% | 1/10W | RB3803 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5540 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W | RB3804 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5541 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | RB3805 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5543 | 1-216-832-11 | METAL CHIP | 8.2K | 5% | 1/10W | RB3806 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| | | | | | | | | | | | |
| R5544 | 1-216-826-11 | METAL CHIP | 2.7K | 5% | 1/10W | RB3807 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5545 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | RB3808 | 1-239-621-11 | NETWORK RESISTOR (CHIP) 22 | | | |
| R5547 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | < CRYSTAL > | | | | | |
| R5548 | 1-216-838-11 | METAL CHIP | 27K | 5% | 1/10W | X0001 | 1-567-162-00 | OSCILLATOR, CRYSTAL | | | |
| R5549 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | X3100 | 1-781-946-21 | VIBRATOR, CRYSTAL | | | |
| | | | | | | | | | | | |
| R5550 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | X3400 | 1-795-058-21 | VIBRATOR, CERAMIC | | | |
| R5551 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | X3800 | 1-767-127-11 | VIBRATOR, CERAMIC | | | |
| R5552 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | X3801 | 1-567-504-11 | OSCILLATOR, CRYSTAL | | | |
| R5555 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | * A-1405-803-A A Board, Complete | | | | | |
| R5556 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | | | | | | |
| | | | | | | | | | | | |
| R5557 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | 4-382-854-01 SCREW (M3X8), P, SW (+) | | | | | |
| R5558 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | < CAPACITOR > | | | | | |
| R5559 | 1-216-864-11 | SHORT CHIP | 0 | | | | | | | | |
| R5560 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | | | | | |
| R5561 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | | | | | | | | | |
| R5569 | 1-216-864-11 | SHORT CHIP | 0 | | | C0001 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | |
| R5576 | 1-216-864-11 | SHORT CHIP | 0 | | | C0002 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | |
| R5577 | 1-216-864-11 | SHORT CHIP | 0 | | | C1103 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | |
| R5578 | 1-216-864-11 | SHORT CHIP | 0 | | | C1104 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | |
| R5579 | 1-216-864-11 | SHORT CHIP | 0 | | | C1106 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | |
| | | | | | | | | | | | |
| | | | | | | C1108 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | |
| R5580 | 1-216-864-11 | SHORT CHIP | 0 | | | C1109 | 1-162-921-11 | CERAMIC CHIP 33PF | 5.00% | 50V | |
| | | | | | | | | | | | |
| < RESISTOR CHIP > | | | | | | | | | | | |
| RB0030 | 1-233-576-11 | RES, CHIP NETWORK 100 | | | | | | | | | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | | REF.NO. | PART.NO | DESCRIPTION | REMARK | |
|---------|--------------|-----------------------|--------|-----|---------|--------------|--------------------|--------|-----|
| C1304 | 1-216-864-11 | SHORT CHIP 0 | | | C2414 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C1307 | 1-125-891-11 | CERAMIC CHIP 0.47UF | 10.00% | 10V | C2500 | 1-126-952-11 | ELECT 1000UF | 20.00% | 35V |
| C1904 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% | 50V | C2501 | 1-126-952-11 | ELECT 1000UF | 20.00% | 35V |
| C2000 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V | C2502 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2001 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C2503 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| | | | | | | | | | |
| C2002 | 1-126-935-11 | ELECT 470UF | 20.00% | 16V | C2504 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V |
| C2004 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% | 25V | C2505 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V |
| C2005 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C2506 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V |
| C2006 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% | 50V | C2507 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V |
| C2007 | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% | 50V | C2508 | 1-126-960-11 | ELECT 1UF | 20.00% | 50V |
| | | | | | | | | | |
| C2009 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C2511 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V |
| C2010 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C2512 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% | 25V |
| C2011 | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% | 50V | C2513 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% | 25V |
| C2012 | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% | 50V | C2514 | 1-107-715-11 | ELECT 22UF | 20.00% | 50V |
| C2013 | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% | 50V | C6200 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| | | | | | | | | | |
| C2014 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C6201 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2016 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | C6202 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2017 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V | C6203 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2018 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V | C6204 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2019 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V | C6205 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| | | | | | | | | | |
| C2020 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V | C6206 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2021 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6207 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2022 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V | C6208 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2023 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6209 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2024 | 1-126-964-11 | ELECT 10UF | 20.00% | 50V | C6210 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| | | | | | | | | | |
| C2025 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% | 50V | C6211 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2026 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6212 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2027 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6213 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2028 | 1-162-906-11 | CERAMIC CHIP 1.5PF | 0.25PF | 50V | C6214 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2029 | 1-162-906-11 | CERAMIC CHIP 1.5PF | 0.25PF | 50V | C6215 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| | | | | | | | | | |
| C2030 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C6216 | 1-126-972-11 | ELECT 1000UF | 20.00% | 50V |
| C2031 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C6217 | 1-126-972-11 | ELECT 1000UF | 20.00% | 50V |
| C2032 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% | 16V | C6218 | 1-126-972-11 | ELECT 1000UF | 20.00% | 50V |
| C2033 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% | 50V | C6222 | 1-136-165-00 | FILM 0.1UF | 5.00% | 50V |
| C2034 | 1-125-891-11 | CERAMIC CHIP 0.47UF | 10.00% | 10V | C6223 | 1-136-165-00 | FILM 0.1UF | 5.00% | 50V |
| | | | | | | | | | |
| C2035 | 1-125-891-11 | CERAMIC CHIP 0.47UF | 10.00% | 10V | C6225 | 1-126-767-11 | ELECT 1000UF | 20.00% | 16V |
| C2040 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | C6226 | 1-126-767-11 | ELECT 1000UF | 20.00% | 16V |
| C2400 | 1-136-175-00 | FILM 0.68UF | 5.00% | 50V | C6227 | 1-126-767-11 | ELECT 1000UF | 20.00% | 16V |
| C2401 | 1-165-128-11 | CERAMIC CHIP 0.22UF | | 16V | C6231 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2402 | 1-163-135-00 | CERAMIC CHIP 560PF | 5.00% | 50V | C6232 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| | | | | | | | | | |
| C2403 | 1-115-339-11 | CERAMIC CHIP 0.1UF | 10.00% | 50V | C6233 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V |
| C2404 | 1-162-966-11 | CERAMIC CHIP 0.0022UF | 10.00% | 50V | C6234 | 1-126-947-11 | ELECT 47UF | 20.00% | 35V |
| C2405 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% | 50V | C6235 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2406 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% | 50V | C6236 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2407 | 1-164-505-11 | CERAMIC CHIP 2.2UF | | 16V | C6237 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| | | | | | | | | | |
| C2409 | 1-115-339-11 | CERAMIC CHIP 0.1UF | 10.00% | 50V | C6238 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |
| C2410 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6239 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2411 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V | C6240 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2412 | 1-126-943-11 | ELECT 2200UF | 20.00% | 25V | C6241 | 1-164-156-11 | CERAMIC CHIP 0.1UF | | 25V |
| C2413 | 1-126-943-11 | ELECT 2200UF | 20.00% | 25V | C6242 | 1-104-665-11 | ELECT 100UF | 20.00% | 25V |

A

Note : The components identified by shading
and marked Δ are critical for safety.
Replace only with the part numbers
specified in the parts list.

A

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------------|----------------|---------------------------------|------------|------------------|----------------|---------------------------------|--------|
| C6243 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | CN6204 | 1-695-915-11 | TAB (CONTACT) | |
| C6244 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | CN6205 | 1-695-915-11 | TAB (CONTACT) | |
| C6245 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | CN6206 | * 1-816-977-51 | PLUG, CONNECTOR 6P | |
| C6247 | 1-126-964-11 | ELECT 10UF | 20.00% 50V | CN6207 | * 1-564-512-11 | PLUG, CONNECTOR 9P | |
| C6248 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | CN6208 | * 1-564-512-11 | PLUG, CONNECTOR 9P | |
| C6249 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | CN6210 | 1-764-333-11 | PIN, CONNECTOR(PCB) (V TYPE)10P | |
| C6250 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | CN6900 | * 1-816-976-51 | PLUG, CONNECTOR 5P | |
| C6251 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | < DIODE > | | | |
| C6252 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D0200 | 8-719-050-37 | DIODE M1MA152WA-T1 | |
| C6253 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | D1906 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C6254 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | D1918 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6255 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2004 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6256 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6200 | 8-719-500-70 | DIODE D5S4M | |
| C6257 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6201 | 8-719-500-70 | DIODE D5S4M | |
| C6258 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | D6202 | 8-719-500-70 | DIODE D5S4M | |
| C6259 | 1-104-665-11 | ELECT 100UF | 20.00% 25V | D6203 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6260 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6204 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6262 | 1-126-933-11 | ELECT 100UF | 20.00% 16V | D6205 | 8-719-083-57 | DIODE UDZSTE-173.6B | |
| C6263 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6206 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6264 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6207 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6265 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6208 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6266 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6209 | 8-719-081-97 | DIODE MMDL914T1 | |
| C6267 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D6210 | 8-719-050-38 | DIODE M1MA152WK-T1 | |
| C6268 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D8481 | 8-719-050-38 | DIODE M1MA152WK-T1 | |
| C6269 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | < FERRITE BEAD > | | | |
| C6270 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB1101 | 1-412-987-31 | INDUCTOR 4.7UH | |
| C8353 | 1-164-346-11 | CERAMIC CHIP 1UF | 16V | < IC > | | | |
| C8354 | 1-164-346-11 | CERAMIC CHIP 1UF | 16V | IC1000 | 8-752-072-94 | IC CXA1875AM-T4 | |
| C8355 | 1-126-935-11 | ELECT 470UF | 20.00% 16V | IC2000 | 6-701-031-11 | IC MSP3411G-QA-B11 | |
| C8356 | 1-126-382-11 | ELECT 100UF | 20.00% 16V | IC2300 | 8-759-576-76 | IC TDA2822D013TR | |
| C8357 | 1-126-933-11 | ELECT 100UF | 20.00% 16V | IC2400 | 8-759-544-25 | IC TDA7482 | |
| C8358 | 1-126-933-11 | ELECT 100UF | 20.00% 16V | IC2500 | 8-759-590-05 | IC TDA7269A | |
| C8359 | 1-126-382-11 | ELECT 100UF | 20.00% 16V | IC6200 | 8-759-648-20 | IC L7805CV/LSY | |
| C8360 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% 25V | IC6201 | 8-759-445-59 | IC BA033T | |
| C8361 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% 25V | IC6202 | 8-759-098-24 | IC PQ30RV11 | |
| < CONNECTOR > | | | | IC6203 | 8-759-098-24 | IC PQ30RV11 | |
| CN0001 | 1-764-333-11 | PIN, CONNECTOR(PCB) (V TYPE)10P | | IC6204 | 8-759-394-36 | IC BA09T | |
| CN2002 | * 1-816-974-51 | PLUG, CONNECTOR 3P | | IC6205 | 8-759-098-24 | IC PQ30RV11 | |
| CN2003 | 1-564-507-11 | PLUG, CONNECTOR 4P | | IC6206 | 8-759-474-09 | IC SI-8050S-LF1101 | |
| CN2004 | 1-564-505-11 | PLUG, CONNECTOR 2P | | IC6207 | 8-759-659-28 | IC SI-8033S | |
| CN2301 | * 1-816-976-51 | PLUG, CONNECTOR 5P | | IC6208 | 8-759-640-19 | IC PQ1CG2032FZ | |
| CN3000 | 1-764-334-11 | PIN, CONNECTOR(PCB) (V TYPE)11P | | IC6209 | 8-759-098-24 | IC PQ30RV11 | |
| CN3001 | * 1-816-983-71 | PLUG, CONNECTOR 6P | | IC6210 | 8-759-520-49 | IC PQ30RV21 | |
| CN5000 | 1-817-115-11 | CONNECTOR, BOARD TO BOARD, 35P | | IC6211 | 8-759-098-24 | IC PQ30RV11 | |
| CN5201 | * 1-794-243-11 | CONNECTOR, DIN (RECEPTACLE)96P | | IC6212 | 8-759-098-24 | IC PQ30RV11 | |
| CN5209 | * 1-564-520-11 | PLUG, CONNECTOR 5P | | IC6213 | 8-759-098-24 | IC PQ30RV11 | |
| CN6200 | * 1-816-985-71 | PLUG, CONNECTOR 8P | | | | | |
| CN6201 | * 1-580-838-11 | PIN, CONNECTOR (PC BOARD) 4P | | | | | |
| CN6202 | * 1-564-510-11 | PLUG, CONNECTOR 7P | | | | | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|----------------------|--------------|----------------------|--------|----------------|--------------|-----------------------------|--------|
| < SOCKET > | | | | < TRANSISTOR > | | | |
| J2200 | 1-784-632-11 | JACK, PIN 2P | | Q0200 | 8-729-028-28 | TRANSISTOR 2SK2036 (TE85L) | |
| < COIL > | | | | Q0201 | 8-729-028-28 | TRANSISTOR 2SK2036 (TE85L) | |
| L0001 | 1-412-987-31 | INDUCTOR 4.7UH | | Q1300 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L1100 | 1-414-580-21 | INDUCTOR CHIP 100NH | | Q1301 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L1101 | 1-414-580-21 | INDUCTOR CHIP 100NH | | Q1912 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| L1102 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q1913 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| L1103 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q2001 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L1104 | 1-412-979-21 | INDUCTOR 1UH | | Q2002 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L1301 | 1-408-602-31 | INDUCTOR 8.2UH | | Q2003 | 8-729-028-28 | TRANSISTOR 2SK2036 (TE85L) | |
| L2000 | 1-414-928-21 | INDUCTOR 1UH | | Q2401 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L2001 | 1-414-928-21 | INDUCTOR 1UH | | Q2500 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L2011 | 1-414-928-21 | INDUCTOR 1UH | | Q2501 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L2221 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q2502 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L2222 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q2503 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L2400 | 1-416-857-11 | INDUCTOR 65UH | | Q2504 | 8-729-027-38 | TRANSISTOR DTA144EKA-T146 | |
| L2401 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q6201 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| L2402 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q6202 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| L2500 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q6203 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| L2501 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | Q6204 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L6200 | 1-406-662-11 | INDUCTOR 33UH | | Q6205 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| L6201 | 1-406-662-11 | INDUCTOR 33UH | | Q6206 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L6202 | 1-406-662-11 | INDUCTOR 33UH | | Q6207 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L6203 | 1-406-662-11 | INDUCTOR 33UH | | Q6208 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L6204 | 1-406-662-11 | INDUCTOR 33UH | | Q6209 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| L6205 | 1-406-662-11 | INDUCTOR 33UH | | Q8001 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| L6206 | 1-412-525-31 | INDUCTOR 10UH | | Q8309 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| L6207 | 1-412-525-31 | INDUCTOR 10UH | | Q8311 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| L6208 | 1-412-525-31 | INDUCTOR 10UH | | Q8481 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L6209 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | < RESISTOR > | | | |
| L6210 | 1-414-928-21 | INDUCTOR 1UH | | JR8003 | 1-216-864-11 | SHORT CHIP 0 | |
| L6211 | 1-414-928-21 | INDUCTOR 1UH | | R0002 | 1-216-864-11 | SHORT CHIP 0 | |
| L8200 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0200 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/10W | |
| L8201 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0201 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/10W | |
| L8202 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0202 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| L8203 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0204 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| L8204 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0205 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| L8206 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R0207 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| L8207 | 1-535-303-00 | LEAD, JUMPER (5.0MM) | | R1008 | 1-216-864-11 | SHORT CHIP 0 | |
| < PROTECTOR MODULE > | | | | R1101 | 1-412-987-31 | INDUCTOR 4.7UH | |
| PS2000 Δ | 1-801-549-21 | IC LINK 4A MP250 | | R1102 | 1-414-760-21 | FERRITE 0UH | |
| PS2001 Δ | 1-801-549-21 | IC LINK 4A MP250 | | R1103 | 1-414-760-21 | FERRITE 0UH | |
| PS6201 Δ | 1-533-595-31 | IC LINK 3.15A 90V | | R1105 | 1-414-580-21 | INDUCTOR 100NH | |
| PS6202 Δ | 1-533-595-31 | IC LINK 3.15A 90V | | R1106 | 1-414-580-21 | INDUCTOR 100NH | |
| PS6203 Δ | 1-533-595-31 | IC LINK 3.15A 90V | | R1108 | 1-414-580-21 | INDUCTOR 100NH | |
| | | | | R1109 | 1-414-580-21 | INDUCTOR 100NH | |
| | | | | R1201 | 1-216-864-11 | SHORT CHIP 0 | |

A

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|-------------|-----------------|---------|--------------|-------------|-----------------|
| R1300 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | R2504 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R1303 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R2505 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R1304 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | R2506 | 1-216-836-11 | METAL CHIP | 18K 5% 1/10W |
| R1956 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R2507 | 1-216-836-11 | METAL CHIP | 18K 5% 1/10W |
| R1957 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R2508 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R1958 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R2509 | 1-216-831-91 | RES CHIP | 68K 5% 1/10W |
| R1959 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R2511 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W |
| R1960 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R2512 | 1-216-835-11 | METAL CHIP | 15K 5% 1/10W |
| R1962 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R2513 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R2000 | 1-216-864-11 | SHORT CHIP | 0 | R2516 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R2001 | 1-216-864-11 | SHORT CHIP | 0 | R2519 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R2002 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R2520 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R2003 | 1-216-864-11 | SHORT CHIP | 0 | R2521 | 1-243-826-21 | METAL OXIDE | 4.7 5% 1W |
| R2004 | 1-216-864-11 | SHORT CHIP | 0 | R2522 | 1-243-826-21 | METAL OXIDE | 4.7 5% 1W |
| R2005 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R2523 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R2006 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R2524 | 1-216-864-11 | SHORT CHIP | 0 |
| R2007 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R2525 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R2008 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R6200 | 1-218-831-11 | METAL CHIP | 220 0.5% 1/10W |
| R2009 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R6201 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R2010 | 1-216-864-11 | SHORT CHIP | 0 | R6202 | 1-216-864-11 | SHORT CHIP | 0 |
| R2011 | 1-216-864-11 | SHORT CHIP | 0 | R6203 | 1-216-864-11 | SHORT CHIP | 0 |
| R2012 | 1-216-864-11 | SHORT CHIP | 0 | R6204 | 1-218-831-11 | METAL CHIP | 220 0.5% 1/10W |
| R2013 | 1-216-864-11 | SHORT CHIP | 0 | R6207 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W |
| R2014 | 1-216-864-11 | SHORT CHIP | 0 | R6208 | 1-216-864-11 | SHORT CHIP | 0 |
| R2015 | 1-216-864-11 | SHORT CHIP | 0 | R6209 | 1-216-864-11 | SHORT CHIP | 0 |
| R2016 | 1-216-864-11 | SHORT CHIP | 0 | R6211 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R2017 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R6212 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R2018 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R6214 | 1-216-846-11 | METAL CHIP | 120K 5% 1/10W |
| R2019 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | R6215 | 1-216-844-11 | METAL CHIP | 82K 5% 1/10W |
| R2021 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R6217 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R2022 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W | R6218 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R2023 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R6221 | 1-216-834-91 | RES CHIP | 12K 5% 1/10W |
| R2024 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R6223 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R2025 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R6224 | 1-218-867-11 | METAL CHIP | 6.8K 0.5% 1/10W |
| R2026 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R6226 | 1-218-832-91 | RES CHIP | 8.2K 5% 1/10W |
| R2029 | 1-216-864-11 | SHORT CHIP | 0 | R6228 | 1-216-812-11 | METAL CHIP | 180 5% 1/10W |
| R2030 | 1-216-864-11 | SHORT CHIP | 0 | R6229 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R2400 | 1-218-863-11 | METAL CHIP | 4.7K 0.5% 1/10W | R6230 | 1-216-846-11 | METAL CHIP | 120K 5% 1/10W |
| R2401 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | R6231 | 1-216-834-11 | METAL CHIP | 12K 5% 1/10W |
| R2402 | 1-218-827-11 | METAL CHIP | 150 0.5% 1/10W | R6232 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R2403 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R6233 | 1-216-836-11 | METAL CHIP | 18K 5% 1/10W |
| R2404 | 1-218-867-11 | METAL CHIP | 6.8K 0.5% 1/10W | R6234 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R2405 | 1-216-838-11 | METAL CHIP | 27K 5% 1/10W | R6235 | 1-216-839-11 | METAL CHIP | 33K 5% 1/10W |
| R2406 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R6236 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R2407 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | R6237 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R2408 | 1-218-895-11 | METAL CHIP | 100K 0.5% 1/10W | R6238 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R2500 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R6239 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R2501 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | R6240 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R2502 | 1-216-818-11 | METAL CHIP | 560 5% 1/10W | R6241 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R2503 | 1-216-818-11 | METAL CHIP | 560 5% 1/10W | R6242 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |

A

J

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|-------------|---------------|----------------------------------|--------------|----------------------|--------------|
| R6244 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R8436 | 1-216-793-11 | METAL CHIP | 4.7 5% 1/10W |
| R6245 | 1-216-864-11 | SHORT CHIP | 0 | R8437 | 1-216-793-11 | METAL CHIP | 4.7 5% 1/10W |
| R6246 | 1-216-864-11 | SHORT CHIP | 0 | R8438 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R6247 | 1-216-864-11 | SHORT CHIP | 0 | R8439 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R6251 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | R8481 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R6252 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R8482 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R6253 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R8483 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R6254 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R8484 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R6256 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | R8485 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R6257 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | R8487 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R6258 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | < TUNER > | | | |
| R6259 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | TU1100 | 8-598-535-20 | FRONTEND BTF-EF411 | |
| R6260 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W | < CRYSTAL > | | | |
| R6261 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | X2000 | 1-760-628-11 | VIBRATOR, CRYSTAL | |
| R6262 | 1-216-834-11 | METAL CHIP | 12K 5% 1/10W | * A-1405-804-A J Board, Complete | | | |
| R6263 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | < CAPACITOR > | | | |
| R6264 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | C2804 | 1-164-227-11 | CERAMIC CHIP 0.022UF | 10.00% 25V |
| R6266 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | C2805 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R6267 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | C2806 | 1-164-227-11 | CERAMIC CHIP 0.022UF | 10.00% 25V |
| R8000 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | C2807 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R8001 | 1-216-864-11 | SHORT CHIP | 0 | C2808 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8002 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2809 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8003 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2810 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8004 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2811 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8005 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2812 | 1-125-837-91 | CERAMIC CHIP 1UF | 10% 6.3V |
| R8006 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2813 | 1-125-837-91 | CERAMIC CHIP 1UF | 10% 6.3V |
| R8007 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2814 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| R8008 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2815 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| R8009 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2821 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R8010 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2823 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R8011 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2824 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8012 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2825 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8013 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2826 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8014 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2827 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8015 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2832 | 1-164-227-11 | CERAMIC CHIP 0.022UF | 10.00% 25V |
| R8016 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2833 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R8017 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | C2834 | 1-164-227-11 | CERAMIC CHIP 0.022UF | 10.00% 25V |
| R8018 | 1-216-864-11 | SHORT CHIP | 0 | C2835 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| R8019 | 1-216-864-11 | SHORT CHIP | 0 | C2836 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8020 | 1-216-864-11 | SHORT CHIP | 0 | C2837 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8021 | 1-216-864-11 | SHORT CHIP | 0 | C2838 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8025 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | C2839 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| R8026 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W | C2855 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8201 | 1-216-864-11 | SHORT CHIP | 0 | C2856 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V |
| R8430 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | C2857 | 1-162-923-11 | CERAMIC CHIP 47PF | 5.00% 50V |
| R8431 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | C2858 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| R8432 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W | | | | |
| R8433 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W | | | | |
| R8434 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | | | | |
| R8435 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W | | | | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------------|----------------|-------------------------------|------------|-----------|--------------|---------------------|--------|
| C2859 | 1-126-964-11 | ELECT 10UF | 20.00% 50V | < DIODE > | | | |
| C2860 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D800 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3808 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2800 | 1-803-974-21 | VARISTOR CHIP | |
| C3809 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2801 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3810 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D2802 | 1-803-974-21 | VARISTOR CHIP | |
| C3816 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2803 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3817 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2804 | 1-803-974-21 | VARISTOR CHIP | |
| C3818 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2805 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3819 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2806 | 1-803-974-21 | VARISTOR CHIP | |
| C3820 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2807 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3821 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2808 | 1-803-974-21 | VARISTOR CHIP | |
| C3822 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2809 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3824 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2810 | 1-803-974-21 | VARISTOR CHIP | |
| C3825 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D2811 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3826 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2812 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3827 | 1-126-964-11 | ELECT 10UF | 20.00% 50V | D2813 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3832 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2830 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3834 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2831 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3836 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D2832 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3841 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2833 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3842 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2834 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3843 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D2835 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| C3844 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D3800 | 8-719-083-63 | DIODE UDZSTE-1713B | |
| C3845 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D3801 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3846 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D3802 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3847 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D3803 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3848 | 1-126-947-11 | ELECT 47UF | 20.00% 35V | D3804 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3849 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D3805 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3857 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D3806 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3858 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D3807 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3860 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D3808 | 8-719-083-63 | DIODE UDZSTE-1713B | |
| C3861 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | D3809 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3863 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V | D3810 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3864 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V | D3811 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3865 | 1-165-908-11 | CERAMIC CHIP 1UF | 10% 10V | D3812 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3866 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | D3813 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| C3867 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | D3814 | 8-719-083-63 | DIODE UDZSTE-1713B | |
| C3868 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | D3815 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| < CONNECTOR > | | | | D3816 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3800 | * 1-564-527-11 | PLUG, CONNECTOR 12P | | D3817 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3801 | 1-695-549-11 | SOCKET, PIN 21P | | D3818 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3802 | 1-695-549-11 | SOCKET, PIN 21P | | D3819 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3803 | 1-695-549-11 | SOCKET, PIN 21P | | D3820 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| CN3804 | 1-817-114-11 | CONNECTOR, BOARD TO BOARD 35P | | D3821 | 8-719-069-60 | DIODE UDZSTE-179.1B | |
| CN3805 | * 1-564-525-11 | PLUG, CONNECTOR 10P | | D3822 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3806 | * 1-564-523-11 | PLUG, CONNECTOR 8P | | D3823 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3807 | * 1-564-521-11 | PLUG, CONNECTOR 6P | | D3824 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3808 | * 1-817-804-11 | CONNECTOR, D SUB 15P | | D3825 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| CN3809 | * 1-564-525-11 | PLUG, CONNECTOR 10P | | D3826 | 8-719-069-55 | DIODE UDZSTE-175.6B | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|------------------|--------------|------------------------|--------|---------|--------------|--------------------|--------|
| D3827 | 8-719-069-55 | DIODE UDZSTE-175.6B | | R2806 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W |
| D3828 | 8-719-069-55 | DIODE UDZSTE-175.6B | | R2808 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| D3829 | 8-719-069-55 | DIODE UDZSTE-175.6B | | R2809 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| < FERRITE BEAD > | | | | R2810 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| FB001 | 1-414-813-11 | FERRITE 0UH | | R2811 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| FB3800 | 1-414-760-21 | FERRITE 0UH | | R2812 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W |
| < IC > | | | | R2813 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W |
| IC3800 | 8-752-096-83 | IC CXA2149AQ-TL | | R2817 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| IC3801 | 8-759-661-55 | IC ST24FC21M6TR | | R2819 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| < SOCKET > | | | | R2820 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| J2800 | 1-507-792-00 | JACK | | R2821 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| < COIL > | | | | R2822 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| L2802 | 1-414-928-21 | INDUCTOR 1UH | | R2823 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| L3811 | 1-414-928-21 | INDUCTOR 1UH | | R2824 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| L3812 | 1-414-928-21 | INDUCTOR 1UH | | R2825 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W |
| L3814 | 1-414-928-21 | INDUCTOR 1UH | | R2826 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| L3816 | 1-412-975-31 | INDUCTOR 0.47UH | | R2827 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W |
| < TRANSISTOR > | | | | R2828 | 1-216-813-91 | RES CHIP 220 5% | 1/10W |
| Q2802 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2830 | 1-216-813-91 | RES CHIP 220 5% | 1/10W |
| Q2803 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2832 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| Q2804 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2833 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| Q3856 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2834 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| Q3857 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2835 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| Q3858 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2836 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| Q3859 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | | R2837 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W |
| Q3860 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | | R2838 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| Q3861 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | | R2839 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W |
| Q3862 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | | R2840 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W |
| Q3863 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | | R2842 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W |
| < RESISTOR > | | | | R2844 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| JR2817 | 1-216-295-91 | SHORT CHIP 0 | | R2845 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| JR2818 | 1-216-295-91 | SHORT CHIP 0 | | R2846 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| JR3808 | 1-216-295-91 | SHORT CHIP 0 | | R2847 | 1-216-853-11 | METAL CHIP 470K 5% | 1/10W |
| JR3809 | 1-216-295-91 | SHORT CHIP 0 | | R2848 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| JR3810 | 1-216-295-91 | SHORT CHIP 0 | | R2850 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R802 | 1-216-025-11 | RES-CHIP 100 5% | 1/10W | R2851 | 1-216-864-11 | SHORT CHIP 0 | |
| R0800 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W | R2852 | 1-216-864-11 | SHORT CHIP 0 | |
| R0801 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W | R2853 | 1-216-864-11 | SHORT CHIP 0 | |
| R2800 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W | R2854 | 1-216-864-11 | SHORT CHIP 0 | |
| R2801 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W | R2855 | 1-216-864-11 | SHORT CHIP 0 | |
| R2802 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W | R2856 | 1-216-864-11 | SHORT CHIP 0 | |
| R2803 | 1-216-049-11 | RES-CHIP 1K 5% | 1/10W | R2877 | 1-216-864-11 | SHORT CHIP 0 | |
| R2804 | 1-216-813-11 | METAL CHIP 220 5% | 1/10W | R2878 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R2879 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R2880 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R2881 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R2882 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R3800 | 1-216-022-00 | RES-CHIP 75 5% | 1/10W |
| | | | | R3801 | 1-216-022-00 | RES-CHIP 75 5% | 1/10W |
| | | | | R3802 | 1-216-022-00 | RES-CHIP 75 5% | 1/10W |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

J T G

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|---------------------------|--------|
| R3803 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3804 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3805 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3807 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3808 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3809 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3810 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3811 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3812 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3813 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3814 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3815 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3816 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3817 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3818 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3819 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3821 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3822 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3823 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3824 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3825 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3826 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3827 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3828 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3829 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3830 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3831 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3832 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3834 | 1-216-022-00 | RES-CHIP 75 5% 1/10W | |
| R3835 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3836 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R3838 | 1-216-864-11 | SHORT CHIP 0 | |
| R3839 | 1-216-843-11 | METAL CHIP 68K 5% 1/10W | |
| R3841 | 1-216-843-11 | METAL CHIP 68K 5% 1/10W | |
| R3843 | 1-218-885-11 | METAL CHIP 39K 0.5% 1/10W | |
| R3847 | 1-216-864-11 | SHORT CHIP 0 | |
| R3852 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R3856 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R3859 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R3861 | 1-216-864-11 | SHORT CHIP 0 | |
| R3862 | 1-216-841-11 | METAL CHIP 47K 5% 1/10W | |
| R3863 | 1-216-841-11 | METAL CHIP 47K 5% 1/10W | |
| R3864 | 1-216-841-11 | METAL CHIP 47K 5% 1/10W | |
| R3865 | 1-216-837-11 | METAL CHIP 22K 5% 1/10W | |
| R3866 | 1-216-837-11 | METAL CHIP 22K 5% 1/10W | |
| R3867 | 1-216-837-11 | METAL CHIP 22K 5% 1/10W | |
| R3868 | 1-216-835-11 | METAL CHIP 15K 5% 1/10W | |
| R3869 | 1-216-835-11 | METAL CHIP 15K 5% 1/10W | |
| R3870 | 1-216-845-11 | METAL CHIP 100K 5% 1/10W | |
| R3871 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|--------------------------------------|----------------|---------------------------|-------------|
| R3872 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |
| R3873 | 1-216-821-11 | METAL CHIP 1K 5% 1/10W | |
| R3874 | 1-216-864-11 | SHORT CHIP 0 | |
| R3875 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R3876 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R3877 | 1-216-812-11 | METAL CHIP 180 5% 1/10W | |
| R3879 | 1-216-807-11 | METAL CHIP 68 5% 1/10W | |
| R3880 | 1-216-808-11 | METAL CHIP 82 5% 1/10W | |
| R3881 | 1-216-812-11 | METAL CHIP 180 5% 1/10W | |
| R3883 | 1-216-807-11 | METAL CHIP 68 5% 1/10W | |
| R3884 | 1-216-808-11 | METAL CHIP 82 5% 1/10W | |
| R3885 | 1-216-812-11 | METAL CHIP 180 5% 1/10W | |
| R3887 | 1-216-807-11 | METAL CHIP 68 5% 1/10W | |
| R3888 | 1-216-808-11 | METAL CHIP 82 5% 1/10W | |
| R3889 | 1-216-864-11 | SHORT CHIP 0 | |
| R3890 | 1-216-864-11 | SHORT CHIP 0 | |
| R3893 | 1-218-839-11 | METAL CHIP 470 0.5% 1/10W | |
| R3894 | 1-216-864-11 | SHORT CHIP 0 | |
| R3895 | 1-216-827-11 | METAL CHIP 3.3K 5% 1/10W | |
| R3896 | 1-216-827-11 | METAL CHIP 3.3K 5% 1/10W | |
| < VARISTOR > | | | |
| VD2800 | 1-803-974-21 | VARISTOR, CHIP | (1608) |
| VD2801 | 1-803-974-21 | VARISTOR, CHIP | (1608) |
| * A-1405-811-A T Board, Complete | | | |
| < CONNECTOR > | | | |
| CN1000 | * 1-564-518-11 | PLUG, CONNECTOR 3P | |
| < SWITCH > | | | |
| S1000 | 1-570-245-11 | SWITCH, MICRO | |
| * A-1302-408-A G Board, Complete | | | |
| 4-382-854-01 SCREW (M3X8), P, SW (+) | | | |
| < CAPACITOR > | | | |
| C1602 | 1-163-005-91 | CERAMIC CHIP 470PF | 10.00% 50V |
| C1603 | 1-107-678-11 | ELECT 4.7UF | 20.00% 450V |
| C1604 | Δ 1-161-830-00 | CERAMIC 0.0047UF | 99% 500V |
| C1605 | Δ 1-161-830-00 | CERAMIC 0.0047UF | 99% 500V |
| C1606 | 1-163-809-11 | CERAMIC CHIP 0.047UF | 10.00% 25V |
| C1607 | Δ 1-161-830-00 | CERAMIC 0.0047UF | 99% 500V |
| C1608 | Δ 1-161-830-00 | CERAMIC 0.0047UF | 99% 500V |
| C1609 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1610 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C1612 | 1-117-753-11 | ELECT(BLOCK) 470UF | 20.00% 450V |
| C1613 | 1-126-964-11 | ELECT 10UF | 20.00% 50V |
| C1614 | 1-126-967-11 | ELECT 47UF | 20.00% 50V |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|----------------|----------------------|-------------|
| C1615 | 1-126-948-11 | ELECT 100UF | 20.00% 35V |
| C1616 | 1-137-605-11 | MYLAR 0.01UF | 10.00% 250V |
| C1617 | 1-126-965-91 | ELECT 22UF | 20.00% 50V |
| C1618 | 1-136-165-00 | FILM 0.1UF | 5.00% 50V |
| C1620 | 1-126-960-11 | ELECT 1UF | 20.00% 50V |
| C1621 | 1-126-940-11 | ELECT 330UF | 20.00% 25V |
| C1622 | 1-126-961-11 | ELECT 2.2UF | 20.00% 50V |
| C1623 | 1-136-479-11 | FILM 0.001UF | 5.00% 100V |
| C1624 | 1-126-962-11 | ELECT 3.3UF | 20.00% 50V |
| C1625 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% 25V |
| C1626 | 1-113-924-11 | CERAMIC 0.0047UF | 20.00% 250V |
| C1627 | 1-125-969-91 | CERAMIC 680PF | 10.00% 1KV |
| C1628 | 1-125-969-91 | CERAMIC 680PF | 10.00% 1KV |
| C1629 | 1-135-946-82 | FILM 47000PF | 3% 800V |
| C1630 | 1-126-939-11 | ELECT 10000UF | 20.00% 16V |
| C1631 | 1-126-942-61 | ELECT 1000UF | 20.00% 25V |
| C1632 | 1-126-964-11 | ELECT 10UF | 20.00% 50V |
| C1633 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1634 | 1-128-548-11 | ELECT 4700UF | 20.00% 25V |
| C1635 | 1-128-548-11 | ELECT 4700UF | 20.00% 25V |
| C1636 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1637 | 1-126-929-11 | ELECT 4700UF | 20.00% 10V |
| C1638 | 1-126-932-51 | ELECT 15000UF | 20.00% 10V |
| C1639 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% 25V |
| C1640 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1641 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1642 | 1-126-964-11 | ELECT 10UF | 20.00% 50V |
| C1643 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1644 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1645 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1646 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1647 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1648 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1649 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1650 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1651 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| C1652 | 1-126-964-11 | ELECT 10UF | 20.00% 50V |
| C1653 | 1-126-967-11 | ELECT 47UF | 20.00% 50V |
| C1654 | 1-126-947-11 | ELECT 47UF | 20.00% 35V |
| C1655 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C1656 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C1657 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C1658 | 1-163-009-91 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C1659 | 1-137-194-81 | FILM 0.47UF | 5.00% 50V |
| C1660 | Δ 1-165-530-11 | MYLAR 0.47UF | 10 275V |
| C1661 | Δ 1-113-889-11 | CERAMIC 0.001UF | 20.00% 250V |
| C1662 | Δ 1-113-889-11 | CERAMIC 0.001UF | 20.00% 250V |
| C1664 | Δ 1-165-530-11 | MYLAR 0.47UF | 10 275V |
| C1666 | 1-109-843-11 | CERAMIC 33PF | 5.00% 2KV |
| C1667 | 1-109-843-11 | CERAMIC 33PF | 5.00% 2KV |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------------|------------------|------------------------------|------------|
| C1668 | 1-109-843-11 | CERAMIC 33PF | 5.00% 2KV |
| C1669 | 1-109-843-11 | CERAMIC 33PF | 5.00% 2KV |
| C1670 | 1-125-497-11 | ELECT(BLOCK) 100UF | 20% 400V |
| C1671 | 1-125-497-11 | ELECT(BLOCK) 100UF | 20% 400V |
| C1672 | 1-161-830-00 | CERAMIC 0.0047UF | 500V |
| C1674 | 1-164-004-11 | CERAMIC CHIP 0.1UF | 10.00% 25V |
| C1675 | 1-163-021-91 | CERAMIC CHIP 0.01UF | 10.00% 50V |
| < CONNECTOR > | | | |
| CN1601 | Δ * 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN1602 | * 1-691-960-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| CN1603 | 1-766-281-11 | PIN, CONNECTOR (PC BOARD) 8P | |
| CN1604 | * 1-580-838-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN1605 | * 1-816-977-51 | PLUG, CONNECTOR 6P | |
| CN1606 | * 1-816-978-51 | PLUG, CONNECTOR 7P | |
| CN1607 | * 1-564-516-11 | PLUG, CONNECTOR 13P | |
| CN1609 | 1-695-915-11 | TAB (CONTACT) | |
| CN1610 | 1-695-915-11 | TAB (CONTACT) | |
| CN1611 | 1-695-915-11 | TAB (CONTACT) | |
| CN1612 | 1-695-915-11 | TAB (CONTACT) | |
| CN1613 | * 1-564-512-11 | PLUG, CONNECTOR 9P | |
| CN1614 | * 1-816-974-51 | PLUG, CONNECTOR 3P | |
| CN1615 | * 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN1616 | Δ * 1-691-960-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| < DIODE > | | | |
| D1601 | 8-719-077-76 | DIODE D2SB60A-F04 | |
| D1602 | Δ 8-719-022-99 | DIODE D6SB60L | |
| D1603 | 8-719-106-89 | DIODE RD15M-T1B2 | |
| D1604 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1605 | 8-719-948-45 | DIODE ERA22-08 | |
| D1606 | 8-719-105-92 | DIODE RD5.6M-B3 | |
| D1607 | 8-719-979-64 | DIODE UF4005PKG23 | |
| D1608 | 8-719-060-90 | DIODE S2L60F | |
| D1609 | 6-500-175-01 | DIODE 1E3-TB | |
| D1610 | 8-719-510-48 | DIODE DIN20R | |
| D1612 | 8-719-060-90 | DIODE S2L60F | |
| D1613 | 8-719-510-02 | DIODE DIN4 | |
| D1614 | 8-719-510-02 | DIODE DIN4 | |
| D1616 | 8-719-510-02 | DIODE DIN4 | |
| D1617 | 8-719-510-02 | DIODE DIN4 | |
| D1618 | 8-719-988-61 | DIODE 1SS355TE-17 | |
| D1619 | 8-719-105-91 | DIODE RD5.6M-B2 | |
| D1620 | 8-719-055-40 | DIODE FCQ30A04 | |
| D1621 | 8-719-018-84 | DIODE D2S6M | |
| D1623 | 8-719-055-40 | DIODE FCQ30A04 | |
| D1624 | 8-719-510-09 | DIODE D10SC6M | |
| D1625 | 8-719-988-31 | DIODE D10SC6MR | |
| D1626 | 8-719-510-12 | DIODE D10SC4M | |
| D1629 | 8-719-988-61 | DIODE 1SS355TE-17 | |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|----------------------|----------------|----------------------------|--------|----------------|----------------|----------------------------|--------|
| D1630 | 8-719-988-61 | DIODE 1SS355TE-17 | | < TRANSISTOR > | | | |
| D1631 | 8-719-988-61 | DIODE 1SS355TE-17 | | Q1601 | 8-729-046-40 | TRANSISTOR 2SK2663 | |
| D1632 | 1-216-295-91 | SHORT CHIP 0 | | Q1602 | 8-729-023-22 | TRANSISTOR 2SD2114K | |
| D1635 | 8-719-060-90 | DIODE S2L60F | | Q1603 | 8-729-023-22 | TRANSISTOR 2SD2114K | |
| D1636 | 8-719-060-90 | DIODE S2L60F | | Q1604 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | | | | Q1605 | 8-729-023-22 | TRANSISTOR 2SD2114K | |
| D1638 | 8-719-988-61 | DIODE 1SS355TE-17 | | | | | |
| D1639 | 8-719-510-02 | DIODE D1NS4 | | Q1606 | 8-729-052-32 | TRANSISTOR IRFIB7N50A-LF31 | |
| D1640 | 8-719-105-91 | DIODE RD5.6M-B2 | | Q1607 | 8-729-052-32 | TRANSISTOR IRFIB7N50A-LF31 | |
| D1641 | 8-719-988-61 | DIODE 1SS355TE-17 | | Q1608 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| D1642 | 8-719-988-61 | DIODE 1SS355TE-17 | | | | | |
| < FUSE > | | | | < RESISTOR > | | | |
| F1601 | Δ 1-576-232-12 | FUSE 5A 250V | | R1601 | 1-260-302-51 | CARBON 6.8 5% 1/2W | |
| FH1601 | Δ 1-533-223-11 | FUSE HOLDER | | R1603 | 1-216-045-00 | RES-CHIP 680 5% 1/10W | |
| FH1602 | Δ 1-533-223-11 | FUSE HOLDER | | R1604 | 1-240-205-91 | METAL 22M 5% 1/2W | |
| < FERRITE BEAD > | | | | R1605 | 1-216-009-91 | RES-CHIP 22 5% 1/10W | |
| FB1601 | 1-410-397-21 | FERRITE 1.1UH | | R1606 | 1-249-389-11 | CARBON 4.7 5% 1/4W | |
| FB1602 | 1-410-397-21 | FERRITE 1.1UH | | | | | |
| FB1603 | 1-410-397-21 | FERRITE 1.1UH | | R1607 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| FB1604 | 1-410-397-21 | FERRITE 1.1UH | | R1608 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| FB1605 | 1-410-397-21 | FERRITE 1.1UH | | R1609 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | |
| | | | | R1610 | 1-216-295-91 | SHORT CHIP 0 | |
| FB1606 | 1-410-397-21 | FERRITE 1.1UH | | R1611 | 1-260-131-11 | CARBON 470K 5% 1/2W | |
| < IC > | | | | R1612 | 1-215-485-00 | METAL 470K 1% 1/4W | |
| IC1601 | 8-759-670-30 | IC MCZ3001D | | R1613 | Δ 1-202-933-61 | FUSIBLE 0.1 10% 1/2W | |
| IC1602 | 8-759-198-31 | IC UPC1093J-1-T | | R1616 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| IC1603 | 8-759-198-31 | IC UPC1093J-1-T | | R1617 | 1-249-377-11 | CARBON 0.47 5% 1/4W | |
| < COIL > | | | | R1618 | 1-260-288-11 | CARBON 0.47 5% 1/2W | |
| L1601 | 1-412-525-31 | INDUCTOR 10UH | | R1619 | Δ 1-202-933-61 | FUSIBLE 0.1 10% 1/2W | |
| L1602 | 1-412-523-41 | INDUCTOR 6.8UH | | R1620 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| L1603 | 1-412-523-41 | INDUCTOR 6.8UH | | R1621 | 1-216-065-91 | RES-CHIP 4.7K 5% 1/10W | |
| L1604 | 1-412-525-31 | INDUCTOR 10UH | | R1622 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| L1607 | 1-412-525-31 | INDUCTOR 10UH | | R1623 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| | | | | R1624 | 1-215-481-00 | METAL 330K 1% 1/4W | |
| L1608 | 1-412-525-31 | INDUCTOR 10UH | | R1625 | 1-215-481-00 | METAL 330K 1% 1/4W | |
| L1609 | 1-406-659-11 | INDUCTOR 10UH | | R1626 | 1-215-481-00 | METAL 330K 1% 1/4W | |
| L1610 | 1-406-971-21 | INDUCTOR 10UH | | R1627 | 1-215-859-00 | METAL OXIDE 22 5% 1W | |
| L1612 | 1-406-659-11 | INDUCTOR 10UH | | R1628 | 1-208-810-11 | METAL CHIP 15K 0.5% 1/10W | |
| L1616 | 1-406-984-21 | INDUCTOR 1.5MH | | | | | |
| < PHOTOCOUPLER > | | | | R1629 | 1-208-806-11 | METAL CHIP 10K 0.5% 1/10W | |
| PH1601 | Δ 6-600-187-01 | PHOTO COUPLER PC123Y22J00F | | R1630 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| < PROTECTOR MODULE > | | | | R1631 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| PS1601 | Δ 1-576-390-91 | IC LINK 2.5A 50V | | R1632 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| PS1602 | Δ 1-576-390-91 | IC LINK 2.5A 50V | | R1633 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| | | | | R1634 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| | | | | R1635 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| | | | | R1638 | 1-202-965-11 | METAL 0.02 10% 2W | |
| | | | | R1640 | 1-216-350-11 | METAL OXIDE 1.2 5% 1W | |
| | | | | R1641 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| | | | | R1642 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | |
| | | | | R1643 | 1-208-790-11 | METAL CHIP 2.2K 0.5% 1/10W | |
| | | | | R1644 | 1-216-025-11 | RES-CHIP 100 5% 1/10W | |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

G

H1

H2

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|-----------------------------------|----------------|------------------------------|--------|-----------------------------------|----------------|-----------------------------|--------|
| R1645 | 1-216-017-91 | RES-CHIP 47 5% 1/10W | | < DIODE > | | | |
| R1646 | 1-216-057-00 | RES-CHIP 2.2K 5% 1/10W | | D4401 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| R1647 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | | D4402 | 8-719-069-55 | DIODE UDZSTE-175.6B | |
| R1648 | 1-216-089-91 | RES-CHIP 47K 5% 1/10W | | < IC > | | | |
| R1649 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | | IC4401 | 8-742-180-30 | HYB IC SBX3081-51(30) | |
| | | | | < RESISTOR > | | | |
| R1650 | 1-208-789-11 | METAL CHIP 2K 0.5% 1/10W | | R4401 | 1-216-837-11 | METAL CHIP 22K 5% 1/10W | |
| R1651 | Δ 1-205-998-11 | CEMENTED 1 5% 10W | | R4402 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R1652 | Δ 1-205-998-11 | CEMENTED 1 5% 10W | | R4420 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R1653 | Δ 1-202-719-00 | SOLID 1M 20% 1/2W | | R4421 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/10W | |
| R1654 | 1-249-377-11 | CARBON 0.47 5% 1/4W | | R4422 | 1-216-864-11 | SHORT CHIP 0 | |
| | | | | R4423 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R1655 | 1-249-377-11 | CARBON 0.47 5% 1/4W | | R4424 | 1-216-829-11 | METAL CHIP 4.7K 5% 1/10W | |
| R1656 | 1-215-904-11 | METAL OXIDE 100K 5% 2W | | < SWITCH > | | | |
| R1657 | 1-215-904-11 | METAL OXIDE 100K 5% 2W | | S4402 | 1-572-198-11 | SWITCH, KEYBOARD | |
| R1658 | 1-216-295-91 | SHORT CHIP 0 | | S4403 | 1-572-198-11 | SWITCH, KEYBOARD | |
| R1660 | 1-216-295-91 | SHORT CHIP 0 | | S4404 | 1-572-198-11 | SWITCH, KEYBOARD | |
| | | | | S4405 | 1-572-198-11 | SWITCH, KEYBOARD | |
| R1662 | Δ 1-218-265-11 | METAL 8.2M 5% 1W | | S4406 | 1-572-198-11 | SWITCH, KEYBOARD | |
| R1664 | 1-216-295-91 | SHORT CHIP 0 | | * A-1405-808-A H2 Board, Complete | | | |
| R1665 | 1-208-782-11 | METAL CHIP 1K 0.5% 1/10W | | < CAPACITOR > | | | |
| R1666 | 1-208-802-11 | METAL CHIP 6.8K 0.5% 1/10W | | C4403 | 1-126-601-11 | ELECT CHIP 2.2UF 20.00% 50V | |
| R1667 | 1-208-804-11 | METAL CHIP 8.2K 0.5% 1/10W | | C4404 | 1-124-779-00 | ELECT CHIP 10UF 20.00% 16V | |
| | | | | < CONNECTOR > | | | |
| R1668 | 1-208-807-11 | METAL CHIP 11K 0.5% 1/10W | | CN4401 | * 1-564-522-11 | PLUG, CONNECTOR 7P | |
| R1669 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | | CN4402 | * 1-564-520-11 | PLUG, CONNECTOR 5P | |
| R1670 | 1-208-806-11 | METAL CHIP 10K 0.5% 1/10W | | < DIODE > | | | |
| R1671 | 1-216-041-00 | RES-CHIP 470 5% 1/10W | | D4401 | 8-719-053-43 | DIODE SLR-325VCT31 | |
| < RELAY > | | | | D4402 | 8-719-064-11 | DIODE SPR-325MWV | |
| RY1601 | Δ 1-755-388-11 | RELAY (AC POWER) | | D4405 | 8-719-064-11 | DIODE SPR-325MWV | |
| < TRANSFORMER > | | | | < TRANSISTOR > | | | |
| T1601 | Δ 1-431-852-11 | TRANSFORMER, CONVERTER (SRT) | | Q4401 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| T1603 | Δ 1-435-512-21 | TRANSFORMER, CONVERTER (PIT) | | Q4402 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| T1605 | Δ 1-433-488-31 | TRANSFORMER, LINE FILTER | | Q4403 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 | |
| < THERMISTOR > | | | | Q4404 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| TH1601 | 1-803-586-11 | THERMISTOR, NTC | | Q4405 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| < VARISTOR > | | | | Q4406 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| VD1602 | Δ 1-804-995-11 | VARISTOR | | Q4407 | 8-729-010-29 | TRANSISTOR MSD601-RST1 | |
| * A-1405-807-A H1 Board, Complete | | | | < CAPACITOR > | | | |
| C4402 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | | | | | |
| C4403 | 1-126-382-11 | ELECT 100UF 20.00% 16V | | < CONNECTOR > | | | |
| < CONNECTOR > | | | | CN4404 | * 1-564-520-11 | PLUG, CONNECTOR 5P | |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

H2

H3

C

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|-----------------------------------|----------------|----------------------------------|--------|
| < RESISTOR > | | | |
| R4402 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R4403 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R4404 | 1-216-817-11 | METAL CHIP 470 5% 1/10W | |
| R4405 | 1-216-817-11 | METAL CHIP 470 5% 1/10W | |
| R4406 | 1-216-845-11 | METAL CHIP 100K 5% 1/10W | |
| R4407 | 1-216-841-11 | METAL CHIP 47K 5% 1/10W | |
| R4408 | 1-216-821-11 | METAL CHIP 1K 5% 1/10W | |
| R4409 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R4410 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R4411 | 1-216-821-11 | METAL CHIP 1K 5% 1/10W | |
| R4412 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R4415 | 1-216-864-11 | SHORT CHIP 0 | |
| < SWITCH > | | | |
| S4401 | Δ 1-554-118-00 | SWITCH, PUSH (1 KEY) | |
| * A-1405-806-A H3 Board, Complete | | | |
| < CAPACITOR > | | | |
| C4305 | 1-162-968-11 | CERAMIC CHIP 0.0047UF 10.00% 50V | |
| C4307 | 1-162-968-11 | CERAMIC CHIP 0.0047UF 10.00% 50V | |
| C4309 | 1-162-927-11 | CERAMIC CHIP 100PF 5.00% 50V | |
| < CONNECTOR > | | | |
| CN4301 | * 1-564-521-41 | PLUG, CONNECTOR 6P | |
| CN4302 | * 1-564-520-11 | PLUG, CONNECTOR 5P | |
| CN4303 | * 1-564-524-11 | PLUG, CONNECTOR 9P | |
| < DIODE > | | | |
| D4301 | 8-719-016-73 | DIODE ST26.8T | |
| D4302 | 8-719-016-73 | DIODE ST26.8T | |
| D4303 | 8-719-016-73 | DIODE ST26.8T | |
| D4304 | 8-719-016-73 | DIODE ST26.8T | |
| D4305 | 8-719-016-73 | DIODE ST26.8T | |
| D4306 | 8-719-016-73 | DIODE ST26.8T | |
| < SOCKET > | | | |
| J4301 | 1-779-947-11 | TERMINAL BLOCK, S | |
| J4302 | 1-785-448-11 | JACK | |
| < COIL > | | | |
| L4301 | 1-414-189-31 | INDUCTOR 100UH | |
| L4302 | 1-414-189-31 | INDUCTOR 100UH | |
| L4303 | 1-410-985-42 | INDUCTOR 0.22UH | |
| < RESISTOR > | | | |
| R4301 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|----------------------------------|----------------|--------------------------|--------|
| R4303 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |
| R4305 | 1-216-821-11 | METAL CHIP 1K 5% 1/10W | |
| R4307 | 1-216-849-11 | METAL CHIP 220K 5% 1/10W | |
| R4308 | 1-216-849-11 | METAL CHIP 220K 5% 1/10W | |
| R4309 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |
| R4311 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |
| R4312 | 1-216-864-11 | SHORT CHIP 0 | |
| R4313 | 1-216-864-11 | SHORT CHIP 0 | |
| * A-1302-407-A C Board, Complete | | | |
| | * 4-096-861-01 | SHIELD C LID | |
| | * 4-096-862-01 | BLOCK C RADIATION (S) | |
| | * 4-096-863-01 | SHIELD, C (BOT) | |
| | * 4-096-864-01 | BLOCK C RADIATION (L) | |
| | 7-621-284-20 | SCREW +P 2.6X6 | |
| < CAPACITOR > | | | |
| C2046 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2047 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2048 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2049 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2050 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2052 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2072 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2079 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2087 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2088 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2501 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2502 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2503 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2504 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2506 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2507 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2509 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2510 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2512 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2513 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2514 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2515 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2516 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2517 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2518 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2519 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2520 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2521 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2522 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2523 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2524 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2527 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|----------------------------|--------|
| C2529 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2530 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2531 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2551 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2552 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2553 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2554 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2555 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2556 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2557 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2558 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2601 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2602 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2603 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2604 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2606 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2607 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2609 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2610 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2612 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2613 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2615 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2616 | 1-126-396-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2617 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2618 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2619 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2620 | 1-126-204-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2621 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2622 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2623 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2624 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2625 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2626 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2627 | 1-126-396-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2628 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2629 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2630 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2631 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2632 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2651 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2652 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2653 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2654 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2655 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2656 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2657 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2658 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2659 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2661 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2662 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|-----------------------------|--------|
| C2663 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2664 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2665 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2666 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C2701 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2702 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2703 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2704 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2706 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2707 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2709 | 1-117-370-11 | CERAMIC CHIP 10UF 10V | |
| C2710 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2712 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2713 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2715 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2716 | 1-126-396-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2717 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2718 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2719 | 1-164-505-11 | CERAMIC CHIP 2.2UF 16V | |
| C2720 | 1-126-396-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2721 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2722 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2723 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2724 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2725 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2727 | 1-126-396-11 | ELECT CHIP 47UF 20.00% 16V | |
| C2729 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2801 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C2802 | 1-128-992-21 | ELECT CHIP 47UF 20% 25V | |
| C3011 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3012 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3013 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3014 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3015 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3016 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3017 | 1-117-681-11 | ELECT CHIP 100UF 20.00% 16V | |
| C3018 | 1-126-204-11 | ELECT CHIP 47UF 20.00% 16V | |
| C3019 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3020 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3021 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3022 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3023 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3024 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3025 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3026 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3027 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3028 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3029 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3030 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |
| C3031 | 1-164-156-11 | CERAMIC CHIP 0.1UF 25V | |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|----------------------|------------|---------|--------------|----------------------|------------|
| C3032 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3106 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3033 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3107 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3034 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3108 | 1-126-204-11 | ELECT CHIP 47UF | 20.00% 16V |
| C3035 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3109 | 1-126-204-11 | ELECT CHIP 47UF | 20.00% 16V |
| C3036 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3110 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3037 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3111 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3038 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3112 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3054 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3113 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3055 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3114 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3056 | 1-117-681-11 | ELECT CHIP 100UF | 20.00% 16V | C3115 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3057 | 1-126-204-11 | ELECT CHIP 47UF | 20.00% 16V | C3116 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3061 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | C3117 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3062 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | C3118 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3063 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V | C3119 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3064 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V | C3120 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3065 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V | C3121 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3072 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3122 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3073 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3123 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3074 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C3124 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3075 | 1-126-210-21 | CAP ELECT 220UF | 20.00% 4V | C3125 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3076 | 1-115-156-11 | CERAMIC CHIP 1UF | 10V | C3126 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3077 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3127 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3078 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3128 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3079 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3129 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3080 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3130 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3081 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3131 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3082 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3133 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C3083 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3134 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C3084 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3135 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V |
| C3085 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V | C3136 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C3086 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V | C3138 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V |
| C3087 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3139 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V |
| C3088 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3140 | 1-126-601-11 | ELECT CHIP 2.2UF | 20.00% 50V |
| C3089 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3141 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V |
| C3090 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3142 | 1-126-603-11 | ELECT CHIP 4.7UF | 20.00% 35V |
| C3091 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3143 | 1-162-970-11 | CERAMIC CHIP 0.01UF | 10.00% 25V |
| C3092 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C3144 | 1-126-204-11 | ELECT CHIP 47UF | 20.00% 16V |
| C3093 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | C3145 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V |
| C3094 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C4000 | 1-128-992-21 | ELECT CHIP 47UF | 20% 25V |
| C3095 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C4001 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V |
| C3096 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | C4002 | 1-162-919-11 | CERAMIC CHIP 22PF | 5.00% 50V |
| C3097 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C4003 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3098 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | C4004 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3099 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C4005 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3100 | 1-162-964-11 | CERAMIC CHIP 0.001UF | 10.00% 50V | C4006 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3101 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C4007 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3102 | 1-115-156-11 | CERAMIC CHIP 1UF | 10V | C4008 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3103 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C4009 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3104 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | C4010 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |
| C3105 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | C4011 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V |

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------------|----------------|------------------------------|------------|------------------|----------------|----------------------------------|--------|
| C4012 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | CN3004 | * 1-764-007-11 | PIN, CONNECTOR (SMD) 12P | |
| C4013 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | CN3005 | 1-770-629-21 | PIN, CONNECTOR 12P | |
| C4015 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | CN3006 | 1-770-629-21 | PIN, CONNECTOR 12P | |
| C4018 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | CN3007 | 1-770-621-21 | PIN, CONNECTOR 4P | |
| C4020 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | CN3008 | * 1-766-376-11 | PIN, CONNECTOR (1.5MM) (SMD) 9P | |
| C4021 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | CN3009 | 1-766-382-21 | PIN, CONNECTOR (1.5MM) (SMD) 10P | |
| C4022 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | < DIODE > | | | |
| C4023 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D3001 | 8-719-050-37 | DIODE M1MA152WA-T1 | |
| C4024 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | D3007 | 8-719-041-97 | DIODE MA113-(TX) | |
| C4025 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | < FERRITE BEAD > | | | |
| C4026 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2010 | 1-414-921-11 | FERRITE 0UH | |
| C4028 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2012 | 1-414-921-11 | FERRITE 0UH | |
| C4030 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2015 | 1-414-921-11 | FERRITE 0UH | |
| C4032 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2501 | 1-414-921-11 | FERRITE 0UH | |
| C4033 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2502 | 1-414-921-11 | FERRITE 0UH | |
| C4035 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2504 | 1-414-921-11 | FERRITE 0UH | |
| C4036 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2505 | 1-414-921-11 | FERRITE 0UH | |
| C4039 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2506 | 1-414-921-11 | FERRITE 0UH | |
| C4040 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2601 | 1-414-921-11 | FERRITE 0UH | |
| C4041 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2602 | 1-414-921-11 | FERRITE 0UH | |
| C4042 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2603 | 1-414-921-11 | FERRITE 0UH | |
| C4043 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2604 | 1-414-921-11 | FERRITE 0UH | |
| C4044 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2651 | 1-414-921-11 | FERRITE 0UH | |
| C4045 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | FB2653 | 1-414-921-11 | FERRITE 0UH | |
| C4048 | 1-128-992-21 | ELECT CHIP 47UF | 20% 25V | FB2654 | 1-414-921-11 | FERRITE 0UH | |
| C4049 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2701 | 1-414-921-11 | FERRITE 0UH | |
| C4050 | 1-165-176-11 | CERAMIC CHIP 0.047UF | 10.00% 16V | FB2702 | 1-414-921-11 | FERRITE 0UH | |
| C4051 | 1-128-992-21 | ELECT CHIP 47UF | 20% 25V | FB2704 | 1-414-921-11 | FERRITE 0UH | |
| C4052 | 1-128-992-21 | ELECT CHIP 47UF | 20% 25V | < FILTER > | | | |
| C4053 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | FL3001 | 1-233-830-11 | FERRITE 37UH | |
| C4054 | 1-127-715-91 | CERAMIC CHIP 0.22UF | 10% 16V | FL3002 | 1-233-830-11 | FERRITE 37UH | |
| C4068 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | FL3003 | 1-233-830-11 | FERRITE 37UH | |
| C4069 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | FL3004 | 1-233-830-11 | FERRITE 37UH | |
| C4070 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | FL3005 | 1-233-830-11 | FERRITE 37UH | |
| C4071 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | FL3006 | 1-233-830-11 | FERRITE 37UH | |
| C4077 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | FL3007 | 1-233-830-11 | FERRITE 37UH | |
| C4078 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | FL3008 | 1-233-830-11 | FERRITE 37UH | |
| C4079 | 1-124-779-00 | ELECT CHIP 10UF | 20.00% 16V | < IC > | | | |
| C4080 | 1-164-156-11 | CERAMIC CHIP 0.1UF | 25V | IC2006 | 8-759-490-41 | IC TC74VHCT541AFT (EL) | |
| C4086 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | IC2007 | 8-759-490-41 | IC TC74VHCT541AFT (EL) | |
| C4090 | 1-107-826-11 | CERAMIC CHIP 0.1UF | 10.00% 16V | IC2009 | 8-759-442-07 | IC LM75CIMX-5 | |
| C4091 | 1-162-927-11 | CERAMIC CHIP 100PF | 5.00% 50V | IC2011 | 8-759-672-80 | IC M24C02-MN6T(A) | |
| < CONNECTOR > | | | | IC2012 | 8-759-042-02 | IC S-80743AL-A7-S | |
| CN2551 | 1-794-823-11 | CONNECTOR (ZIF), FPC/FPC 32P | | IC2501 | 8-752-106-13 | IC CXA7001R-T6 | |
| CN2601 | 1-794-823-11 | CONNECTOR (ZIF), FPC/FPC 32P | | IC2601 | 8-752-106-13 | IC CXA7001R-T6 | |
| CN2651 | 1-794-823-11 | CONNECTOR (ZIF), FPC/FPC 32P | | | | | |
| CN3002 | * 1-760-388-11 | CONNECTOR PIN (SMD) 9P | | | | | |
| CN3003 | * 1-695-223-21 | PIN, CONNECTOR (SMD) 10P | | | | | |

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|----------|--------------|---------------------|--------|----------------|--------------|-----------------------------|--------|
| IC2701 | 8-752-106-13 | IC CXA1875AM-T6 | | L3105 | 1-412-029-11 | INDUCTOR 10UH | |
| IC2801 | 8-759-388-31 | IC PQ20VZ1U | | L3106 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3003 | 8-759-196-93 | IC TC7SH00FU-TE85R | | L3107 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3004 | 6-803-215-01 | IC DPS9450AA1T | | L3108 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3005 | 8-759-926-98 | IC SN74HC4040ANS | | L3109 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3006 | 8-752-072-94 | IC CXA1875AM-T4 | | L4000 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3007 | 8-759-387-54 | IC S-80727-SN-DQ-T1 | | L4001 | 1-412-028-11 | INDUCTOR 4.7UH | |
| IC3008 | 8-759-669-75 | IC TLC2932IPWR | | L4002 | 1-412-028-11 | INDUCTOR 4.7UH | |
| IC3101 | 8-759-387-54 | IC S-80727-SN-DQ-T1 | | L4003 | 1-412-029-11 | INDUCTOR 10UH | |
| IC3102 | 6-702-985-01 | IC M24256-BWMN6T | | L4004 | 1-469-525-91 | INDUCTOR 10UH | |
| IC3103 | 6-702-974-01 | IC CXD9671GG | | L4005 | 1-469-525-91 | INDUCTOR 10UH | |
| IC4000 | 6-803-214-01 | IC VSP9427BC3T | | L4006 | 1-469-525-91 | INDUCTOR 10UH | |
| IC4003 | 6-704-465-01 | IC MC74LVX8053DTR2 | | | | | |
| < COIL > | | | | < TRANSISTOR > | | | |
| L2004 | 1-414-754-11 | INDUCTOR 10UH | | Q2001 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L2501 | 1-414-754-11 | INDUCTOR 10UH | | Q2002 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| L2502 | 1-414-754-11 | INDUCTOR 10UH | | Q2502 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2504 | 1-414-754-11 | INDUCTOR 10UH | | Q2504 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2505 | 1-414-754-11 | INDUCTOR 10UH | | Q2602 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2506 | 1-414-754-11 | INDUCTOR 10UH | | Q2604 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2601 | 1-414-754-11 | INDUCTOR 10UH | | Q2702 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2602 | 1-414-754-11 | INDUCTOR 10UH | | Q2704 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2603 | 1-414-754-11 | INDUCTOR 10UH | | Q3001 | 8-729-028-28 | TRANSISTOR 2SK2036(TE85L) | |
| L2604 | 1-414-754-11 | INDUCTOR 10UH | | Q3002 | 8-729-028-28 | TRANSISTOR 2SK2036(TE85L) | |
| L2605 | 1-414-754-11 | INDUCTOR 10UH | | Q3004 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R | |
| L2651 | 1-414-754-11 | INDUCTOR 10UH | | Q3101 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L2652 | 1-414-754-11 | INDUCTOR 10UH | | Q3102 | 8-729-027-23 | TRANSISTOR DTA114EKA-T146 | |
| L2701 | 1-414-754-11 | INDUCTOR 10UH | | Q3105 | 8-729-900-53 | TRANSISTOR DTC114EK | |
| L2702 | 1-414-754-11 | INDUCTOR 10UH | | Q4000 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L2704 | 1-414-754-11 | INDUCTOR 10UH | | Q4001 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L3001 | 1-409-556-11 | INDUCTOR 47UH | | Q4002 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L3003 | 1-409-556-11 | INDUCTOR 47UH | | Q4003 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3004 | 1-409-556-11 | INDUCTOR 47UH | | Q4004 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3005 | 1-409-556-11 | INDUCTOR 47UH | | Q4005 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3009 | 1-409-556-11 | INDUCTOR 47UH | | Q4006 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3010 | 1-409-556-11 | INDUCTOR 47UH | | Q4007 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3011 | 1-409-556-11 | INDUCTOR 47UH | | Q4008 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3012 | 1-409-556-11 | INDUCTOR 47UH | | Q4009 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3013 | 1-412-029-11 | INDUCTOR 10UH | | Q4010 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3014 | 1-412-028-11 | INDUCTOR 4.7UH | | Q4011 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3015 | 1-412-028-11 | INDUCTOR 4.7UH | | Q4012 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3016 | 1-412-029-11 | INDUCTOR 10UH | | Q4013 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L3017 | 1-412-029-11 | INDUCTOR 10UH | | Q4014 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L3018 | 1-412-029-11 | INDUCTOR 10UH | | Q4015 | 8-729-013-28 | TRANSISTOR HN1B01FU-TE85R | |
| L3019 | 1-412-058-11 | INDUCTOR 10UH | | Q4016 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3101 | 1-412-029-11 | INDUCTOR 10UH | | Q4017 | 8-729-422-33 | TRANSISTOR 2SD601A-Q-TX | |
| L3102 | 1-412-029-11 | INDUCTOR 10UH | | | | | |
| L3103 | 1-412-029-11 | INDUCTOR 10UH | | < RESISTOR > | | | |
| L3104 | 1-412-029-11 | INDUCTOR 10UH | | JR4000 | 1-216-864-11 | SHORT CHIP 0 | |

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|----------------------------|--------|---------|--------------|----------------------------|--------|
| JR4001 | 1-216-864-11 | SHORT CHIP 0 | | R2525 | 1-216-864-11 | SHORT CHIP 0 | |
| JR4004 | 1-216-864-11 | SHORT CHIP 0 | | R2526 | 1-216-864-11 | SHORT CHIP 0 | |
| JR4005 | 1-216-864-11 | SHORT CHIP 0 | | R2529 | 1-218-867-11 | METAL CHIP 6.8K 0.5% 1/10W | |
| JR4007 | 1-216-864-11 | SHORT CHIP 0 | | R2530 | 1-218-712-11 | METAL CHIP 6.8K 0.5% 1/10W | |
| | | | | R2532 | 1-218-702-11 | METAL CHIP 2.7K 0.5% 1/10W | |
| R2059 | 1-216-864-11 | SHORT CHIP 0 | | R2537 | 1-216-804-11 | METAL CHIP 39 5% 1/10W | |
| R2060 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | | R2538 | 1-216-804-11 | METAL CHIP 39 5% 1/10W | |
| R2061 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | | R2541 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | |
| R2062 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | | R2543 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R2063 | 1-216-864-11 | SHORT CHIP 0 | | R2545 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R2064 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2548 | 1-216-789-11 | METAL CHIP 2.2 5% 1/10W | |
| R2065 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2549 | 1-216-789-11 | METAL CHIP 2.2 5% 1/10W | |
| R2066 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2553 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | |
| R2067 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2601 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R2073 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2602 | 1-216-864-11 | SHORT CHIP 0 | |
| R2074 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2603 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R2077 | 1-216-864-11 | SHORT CHIP 0 | | R2604 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | |
| R2078 | 1-216-864-11 | SHORT CHIP 0 | | R2605 | 1-216-864-11 | SHORT CHIP 0 | |
| R2079 | 1-216-864-11 | SHORT CHIP 0 | | R2606 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R2080 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2607 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | |
| R2081 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2608 | 1-216-864-11 | SHORT CHIP 0 | |
| R2087 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | | R2611 | 1-216-864-11 | SHORT CHIP 0 | |
| R2088 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | | R2612 | 1-216-864-11 | SHORT CHIP 0 | |
| R2089 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | | R2613 | 1-216-864-11 | SHORT CHIP 0 | |
| R2090 | 1-216-864-11 | SHORT CHIP 0 | | R2614 | 1-218-877-11 | METAL CHIP 18K 0.5% 1/10W | |
| R2091 | 1-216-864-11 | SHORT CHIP 0 | | R2615 | 1-218-861-11 | METAL CHIP 3.9K 0.5% 1/10W | |
| R2092 | 1-216-864-11 | SHORT CHIP 0 | | R2617 | 1-218-863-11 | METAL CHIP 4.7K 0.5% 1/10W | |
| R2093 | 1-216-864-11 | SHORT CHIP 0 | | R2618 | 1-218-863-11 | METAL CHIP 4.7K 0.5% 1/10W | |
| R2094 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2619 | 1-218-853-11 | METAL CHIP 1.8K 0.5% 1/10W | |
| R2095 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | | R2620 | 1-216-864-11 | SHORT CHIP 0 | |
| R2501 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | | R2621 | 1-216-864-11 | SHORT CHIP 0 | |
| R2502 | 1-216-864-11 | SHORT CHIP 0 | | R2624 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R2503 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | | R2625 | 1-216-864-11 | SHORT CHIP 0 | |
| R2504 | 1-216-813-11 | METAL CHIP 220 5% 1/10W | | R2626 | 1-216-864-11 | SHORT CHIP 0 | |
| R2505 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2627 | 1-216-864-11 | SHORT CHIP 0 | |
| R2506 | 1-216-805-11 | METAL CHIP 47 5% 1/10W | | R2630 | 1-218-712-11 | METAL CHIP 6.8K 0.5% 1/10W | |
| R2507 | 1-216-864-11 | SHORT CHIP 0 | | R2632 | 1-218-702-11 | METAL CHIP 2.7K 0.5% 1/10W | |
| R2508 | 1-216-864-11 | SHORT CHIP 0 | | R2633 | 1-216-804-11 | METAL CHIP 39 5% 1/10W | |
| R2510 | 1-216-864-11 | SHORT CHIP 0 | | R2634 | 1-216-804-11 | METAL CHIP 39 5% 1/10W | |
| R2511 | 1-216-864-11 | SHORT CHIP 0 | | R2635 | 1-218-867-11 | METAL CHIP 6.8K 0.5% 1/10W | |
| R2512 | 1-216-864-11 | SHORT CHIP 0 | | R2636 | 1-218-871-11 | METAL CHIP 10K 0.5% 1/10W | |
| R2513 | 1-218-877-11 | METAL CHIP 18K 0.5% 1/10W | | R2638 | 1-218-863-11 | METAL CHIP 4.7K 0.5% 1/10W | |
| R2514 | 1-218-861-11 | METAL CHIP 3.9K 0.5% 1/10W | | R2642 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | |
| R2516 | 1-218-863-11 | METAL CHIP 4.7K 0.5% 1/10W | | R2644 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R2517 | 1-218-863-11 | METAL CHIP 4.7K 0.5% 1/10W | | R2646 | 1-216-825-11 | METAL CHIP 2.2K 5% 1/10W | |
| R2519 | 1-218-853-11 | METAL CHIP 1.8K 0.5% 1/10W | | R2649 | 1-216-789-11 | METAL CHIP 2.2 5% 1/10W | |
| R2520 | 1-216-864-11 | SHORT CHIP 0 | | R2650 | 1-216-789-11 | METAL CHIP 2.2 5% 1/10W | |
| R2521 | 1-216-864-11 | SHORT CHIP 0 | | R2656 | 1-216-797-11 | METAL CHIP 10 5% 1/10W | |
| R2523 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | | R2701 | 1-216-833-11 | METAL CHIP 10K 5% 1/10W | |
| R2524 | 1-216-864-11 | SHORT CHIP 0 | | R2702 | 1-216-864-11 | SHORT CHIP 0 | |

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK | | | REF.NO. | PART.NO | DESCRIPTION | REMARK | | |
|---------|--------------|-------------|--------|------|-------|---------|--------------|-------------|--------|------|-------|
| R2703 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R3032 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2704 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W | R3033 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2705 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W | R3039 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2706 | 1-216-864-11 | SHORT CHIP | 0 | | | R3040 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R2707 | 1-216-864-11 | SHORT CHIP | 0 | | | R3041 | 1-216-821-91 | RES CHIP | 1K | 5% | 1/10W |
| | | | | | | | | | | | |
| R2709 | 1-216-864-11 | SHORT CHIP | 0 | | | R3042 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R2710 | 1-216-864-11 | SHORT CHIP | 0 | | | R3043 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2711 | 1-216-864-11 | SHORT CHIP | 0 | | | R3044 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2712 | 1-218-877-11 | METAL CHIP | 18K | 0.5% | 1/10W | R3045 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2713 | 1-218-861-11 | METAL CHIP | 3.9K | 0.5% | 1/10W | R3046 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R2715 | 1-218-863-11 | METAL CHIP | 4.7K | 0.5% | 1/10W | R3047 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2716 | 1-218-863-11 | METAL CHIP | 4.7K | 0.5% | 1/10W | R3048 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2717 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W | R3049 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2718 | 1-216-864-11 | SHORT CHIP | 0 | | | R3051 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R2719 | 1-216-864-11 | SHORT CHIP | 0 | | | R3052 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R2722 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R3053 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2723 | 1-216-864-11 | SHORT CHIP | 0 | | | R3054 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2724 | 1-216-864-11 | SHORT CHIP | 0 | | | R3055 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2725 | 1-216-864-11 | SHORT CHIP | 0 | | | R3058 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R2728 | 1-216-804-11 | METAL CHIP | 39 | 5% | 1/10W | R3060 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R2729 | 1-216-804-11 | METAL CHIP | 39 | 5% | 1/10W | R3062 | 1-218-823-11 | METAL CHIP | 100 | 0.5% | 1/10W |
| R2730 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W | R3063 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2732 | 1-218-702-11 | METAL CHIP | 2.7K | 0.5% | 1/10W | R3066 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2733 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W | R3067 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2740 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R3068 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| | | | | | | | | | | | |
| R2742 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R3070 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R2744 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R3072 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R2747 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W | R3074 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R2748 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W | R3075 | 1-216-855-11 | METAL CHIP | 680K | 5% | 1/10W |
| R2750 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R3076 | 1-218-835-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| | | | | | | | | | | | |
| R2751 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W | R3077 | 1-218-835-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R2801 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | R3079 | 1-216-855-11 | METAL CHIP | 680K | 5% | 1/10W |
| R2802 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W | R3080 | 1-216-820-11 | METAL CHIP | 820 | 5% | 1/10W |
| R2803 | 1-216-864-11 | SHORT CHIP | 0 | | | R3082 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3006 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R3101 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| | | | | | | | | | | | |
| R3007 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R3102 | 1-216-819-11 | METAL CHIP | 680 | 5% | 1/10W |
| R3008 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R3104 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3009 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R3106 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3010 | 1-216-864-11 | SHORT CHIP | 0 | | | R3107 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R3011 | 1-216-864-11 | SHORT CHIP | 0 | | | R3109 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| | | | | | | | | | | | |
| R3012 | 1-216-864-11 | SHORT CHIP | 0 | | | R3110 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3018 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R3111 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R3020 | 1-216-864-11 | SHORT CHIP | 0 | | | R3113 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3021 | 1-216-864-11 | SHORT CHIP | 0 | | | R3118 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3023 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R3119 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| | | | | | | | | | | | |
| R3024 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R3120 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3025 | 1-216-864-11 | SHORT CHIP | 0 | | | R3121 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3028 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W | R3122 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3029 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R3123 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3031 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R3124 | 1-216-864-11 | SHORT CHIP | 0 | | |

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK | | | REF.NO. | PART.NO | DESCRIPTION | REMARK | | |
|---------|--------------|-------------|--------|------|-------|-------------------|--------------|-------------------|--------|------|-------|
| R3125 | 1-216-864-11 | SHORT CHIP | 0 | | | R4019 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W |
| R3126 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R4020 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W |
| R3127 | 1-216-864-11 | SHORT CHIP | 0 | | | R4021 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W |
| R3128 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R4022 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R3129 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R4023 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | | | | | | | | | | |
| R3130 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R4024 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R3131 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R4025 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R3132 | 1-216-864-11 | SHORT CHIP | 0 | | | R4026 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3133 | 1-216-864-11 | SHORT CHIP | 0 | | | R4027 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3134 | 1-216-864-11 | SHORT CHIP | 0 | | | R4028 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R3135 | 1-216-864-11 | SHORT CHIP | 0 | | | R4029 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3136 | 1-216-864-11 | SHORT CHIP | 0 | | | R4030 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3137 | 1-216-864-11 | SHORT CHIP | 0 | | | R4031 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3138 | 1-216-864-11 | SHORT CHIP | 0 | | | R4032 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3139 | 1-216-864-11 | SHORT CHIP | 0 | | | R4033 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R3140 | 1-216-864-11 | SHORT CHIP | 0 | | | R4034 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3141 | 1-216-864-11 | SHORT CHIP | 0 | | | R4035 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3142 | 1-216-864-11 | SHORT CHIP | 0 | | | R4036 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R3143 | 1-216-864-11 | SHORT CHIP | 0 | | | R4039 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3144 | 1-216-864-11 | SHORT CHIP | 0 | | | R4040 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| | | | | | | | | | | | |
| R3145 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W | R4042 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R3146 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W | R4043 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R3147 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W | R4044 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R3148 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W | R4046 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R3149 | 1-216-864-11 | SHORT CHIP | 0 | | | R4047 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| | | | | | | | | | | | |
| R3150 | 1-216-807-11 | METAL CHIP | 68 | 5% | 1/10W | R4048 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R3151 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W | R4049 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R3152 | 1-216-807-11 | METAL CHIP | 68 | 5% | 1/10W | R4050 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W |
| R3153 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W | R4051 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W |
| R3154 | 1-216-807-11 | METAL CHIP | 68 | 5% | 1/10W | R4052 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| | | | | | | | | | | | |
| R3155 | 1-216-807-11 | METAL CHIP | 68 | 5% | 1/10W | R4053 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R3171 | 1-216-864-11 | SHORT CHIP | 0 | | | R4054 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R3176 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R4055 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R4001 | 1-216-864-11 | SHORT CHIP | 0 | | | R4056 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R4002 | 1-216-864-11 | SHORT CHIP | 0 | | | R4057 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| | | | | | | | | | | | |
| R4003 | 1-216-864-11 | SHORT CHIP | 0 | | | R4058 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R4004 | 1-216-864-11 | SHORT CHIP | 0 | | | R4059 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R4005 | 1-216-864-11 | SHORT CHIP | 0 | | | R4060 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R4006 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W | R4061 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4007 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W | R4062 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R4008 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W | R4065 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R4009 | 1-216-864-11 | SHORT CHIP | 0 | | | R4066 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4010 | 1-216-864-11 | SHORT CHIP | 0 | | | R4067 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4011 | 1-216-864-11 | SHORT CHIP | 0 | | | R4068 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R4012 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W | R4069 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | | | | | | | | | | |
| R4013 | 1-218-732-11 | METAL CHIP | 47K | 0.5% | 1/10W | < RESISTOR CHIP > | | | | | |
| R4014 | 1-216-864-11 | SHORT CHIP | 0 | | | | | | | | |
| R4015 | 1-216-864-11 | SHORT CHIP | 0 | | | RB2013 | 1-233-796-11 | RES, NETWORK | (1608) | | |
| R4016 | 1-216-864-11 | SHORT CHIP | 0 | | | RB2501 | 1-233-574-11 | RES, CHIP NETWORK | 10 | | |
| R4018 | 1-216-864-11 | SHORT CHIP | 0 | | | RB2502 | 1-233-574-11 | RES, CHIP NETWORK | 10 | | |

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

C

| REF.NO. | PART.NO | DESCRIPTION | REMARK | REF.NO. | PART.NO | DESCRIPTION | REMARK |
|---------|--------------|----------------------|--------|--|---------------|--|--------|
| RB2503 | 1-233-574-11 | RES, CHIP NETWORK 10 | | MISCELLANEOUS | | | |
| RB2553 | 1-233-782-91 | RES, NETWORK 10 | (1608) | | 1-825-580-11 | LOUDSPEAKER (10CM) | |
| RB2601 | 1-233-782-91 | RES, NETWORK 10 | (1608) | | 1-544-857-11 | SPEAKER (13X7CM) | |
| RB2602 | 1-233-574-11 | RES, CHIP NETWORK 10 | | | 1-419-965-11 | COIL, CHOKE 27.0MMH | |
| RB2603 | 1-233-574-11 | RES, CHIP NETWORK 10 | | Δ | 1-765-286-11 | CORD, POWER (KF-50SX300K/KF50SX300AEP/ KF-60SX300K/KF-60SX300AEP) | |
| RB2604 | 1-233-574-11 | RES, CHIP NETWORK 10 | | Δ | 1-776-860-11 | POWER CORD, FILTER(UK) (KF-50SX300U/ KF-60SX300U) | |
| RB2653 | 1-233-782-91 | RES, NETWORK 10 | (1608) | | | | |
| RB2701 | 1-233-574-11 | RES, CHIP NETWORK 10 | | | 1-787-057-11 | D.C.FAN | |
| RB2702 | 1-233-574-11 | RES, CHIP NETWORK 10 | | | 1-418-257-11 | FAN UNIT, DC | |
| RB2703 | 1-233-574-11 | RES, CHIP NETWORK 10 | | | 8-598-535-20 | FRONTEND BTF-EF411 | |
| RB3002 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | Δ | 1-468-798-11 | POWER SUPPLY BLOCK | |
| RB3006 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | ACCESSORIES AND PACKAGING MATERIALS | | | |
| RB3007 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | *4-055-672-01 | BAG, PROTECTION | |
| RB3008 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | *4-087-938-01 | JOINT | |
| RB3009 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | *4-096-845-01 | INDIVIDUAL CARTON | |
| RB3010 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | *4-096-846-01 | CUSHION UPPER ASSY | |
| RB3102 | 1-233-784-91 | RES, NETWORK 47 | (1608) | | *4-096-847-01 | CUSHION LOWER ASSY | |
| RB3104 | 1-233-789-11 | RES, NETWORK 10K | (1608) | | | | |
| RB3105 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | *4-096-848-01 | TRAY | |
| RB3106 | 1-233-785-91 | RES, NETWORK 100 | (1608) | | *4-099-708-01 | TOP BOARD | |
| RB3107 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | *4-099-709-01 | BOTTOM BOARD | |
| RB3108 | 1-233-785-91 | RES, NETWORK 100 | (1608) | | X-404-937-01 | PACKING ASSY REAR COVER (50) | |
| RB3109 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | X-096-824-01 | SHEET, POLYTHENE | |
| RB3110 | 1-234-370-21 | RES, NETWORK 22X4 | (1005) | | | | |
| RB3111 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | X-096-825-01 | TOP, COVER | |
| RB3112 | 1-233-785-91 | RES, NETWORK 100 | (1608) | | X-096-826-01 | BASE TRAY | |
| RB3113 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | X-096-827-01 | CARTON, SUB | |
| RB3114 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | X-096-824-01 | HOLDER | |
| RB3115 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | 4-096-858-11 | INSTRUCTION MANUAL | |
| RB4000 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | 4-096-858-11 | INSTRUCTION MANUAL (ENGLISH/GERMAN/FRENCH/ ITALIAN/DUTCH/TURKISH) | |
| RB4001 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | 4-096-858-21 | INSTRUCTION MANUAL (DANISH/SPANISH/FINNISH/ NORWEGIAN/PORTUGUESE/SWEDISH) | |
| RB4002 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | 4-096-858-31 | INSTRUCTION MANUAL (ENGLISH) | |
| RB4003 | 1-234-372-21 | RES, NETWORK 100X4 | (1005) | | 4-096-858-41 | INSTRUCTION MANUAL (ENGLISH/BULGARIAN/CZECH/ HUNGARIAN/POLISH/RUSSIAN) | |
| TP2012 | 1-535-757-11 | CHIP, CHECKER | | REMOTE COMMANDER | | | |
| TP2013 | 1-535-757-11 | CHIP, CHECKER | | | 1-478-285-11 | REMOTE COMMANDER (RM-906) | |
| TP2014 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2015 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2016 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2017 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2018 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2019 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2020 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2021 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2024 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| TP2025 | 1-535-757-11 | CHIP, CHECKER | | | | | |
| | | < CRYSTAL > | | | | | |
| X3001 | 1-781-109-21 | VIBRATOR, CRYSTAL | | | | | |
| X4000 | 1-781-109-21 | VIBRATOR, CRYSTAL | | | | | |

TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I²C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

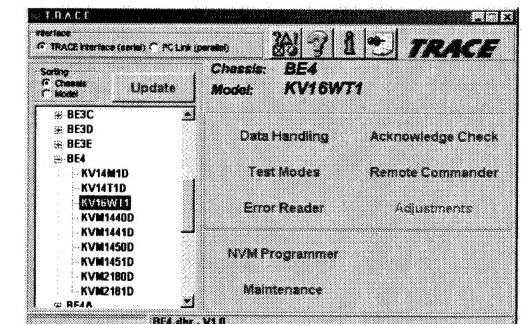
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all I²C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing I²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70
TRACE Software (for users of the I²C Link interface): 9-948-340-80
TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

Sony Corporation
Sony UK
Service Promotions Dept.

English
03JP7100-1

© 2003.10

9-927-461-01